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June 27, 2007

PUBLIC UTILITIES
COMMISSION

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The Honorable Chairman and Members of the
Hawaii Public Utilities Commission
465 South King Street
Kekuanaoa Building, 1st Floor
Honolulu, Hawaii 96813

Dear Commissioners:

Subject: Docket No. 2006-0386
HECO 2007 Test Year Rate Case – June 2007 Updates – Set #2

Enclosed is the second set of updates to Hawaiian Electric Company, Inc.'s ("HECO") 2007 test year estimates reflected in the Application, Direct Testimonies, Exhibits and Workpapers filed with the Commission on December 22, 2006. This set includes updates to the following:

- HECO T-3 – Peter C. Young
- HECO T-10 – Patsy H. Nanbu

Very truly yours,

Dean K. Matsuura
Director, Regulatory Affairs

Enclosure

cc: Division of Consumer Advocacy
Sawvel & Associates, Inc.
Utilitech, Inc.
Dr. Khojasteh Davoodi
Ralph Smith, Larkin & Associates
Randall Y.K. Young, Esq. (w/o enclosure)

**PARTIAL CONFIDENTIAL
(IN SEALED ENVELOPE)**

The Company provides this June 2007 Update to T-3 Exhibits and Workpapers to update test years revenues at present rates and current effective rates to incorporate changes to Energy Cost Adjustment Factor (ECAF), changes to rider participation identified in the response to CA-IR-50 and CA-IR-193, and an Interim Surcharge to collect for Honolulu LSFO trucking costs and DG fuel and trucking costs as approved by Decision and Order No. 23377 in Docket No. 04-0113. Only Exhibits and Workpaper pages impacted by the above noted changes are included in this update.

ECAF as identified in the June 2007 Update for T-9 testimony is 7.331 cents per kWh. The ECAF in direct testimony was 7.229 cents per kWh.

Schedule R. The revised revenue adjustment at present rates is (\$416,402,600). (See page 4, line 1, column 5). The revised revenue impact at present rates is (\$679,200). (See page 5, Line 19, column 5). The revised revenue impact at present rates consists of base revenues (-\$2,100) (See page 5, Line 19, column 2) and Fuel Oil Adjustment (FOA) from changes in ECAF (\$681,300). (See page 5, Line 19, column 4).

Schedule G. The revised revenue adjustment at present rates is (\$77,810,400). (See page 4, Line 2, column 5). The revised revenue impact at present rates is (\$119,000). (See page 5, Line 20, column 5). The revised revenue impact at present rates consists of base revenues (\$0) (See page 5, Line 20, column 2) and FOA (\$119,000). (See page 5, Line 20, column 4).

Schedule J. The revised revenue adjustment at present rates is (\$359,519,500). (See page 4, Line 3, column 5). The revised revenue impact at present rates is (\$594,600). See page 5, Line 21, column 5). The revised revenue impact at present rates consists of base revenues (-\$67,700) (See page 5, Line 21, column 2), AES adjustment (\$300) (See page 5, Line 21,

column 3), and FOA (\$662,000). (See page 5, Line 21, column 4). The change in base revenues and AES adjustment is due to changes in rider participation identified in the response to CA-IR-50 and CA-IR-193.

Schedule H. The revised revenue adjustment at present rates is (\$7,090,700). (See page 4, Line 4, column 5). The revised revenue impact at present rates is (\$13,000). (See page 5, Line 22, column 5). The revised revenue impact at present rates consists of base revenues (\$0) (See page 5, Line 22, column 2) and FOA (\$13,000). (See page 5, Line 22, column 4).

Schedule PS. The revised revenue adjustment at present rates is (\$135,332,200). (See page 1, Line 5, column 5). The revised revenue impact at present rates is (\$272,700). (See page 5, Line 23, column 5). The revised revenue impact at present rates consists of base revenues (\$5,200) (See page 5, Line 23, column 2) and FOA (\$267,500). (See page 5, Line 23, column 4). The change in base revenues is due to changes in rider participation identified in the response to CA-IR-50 and CA-IR-193.

Schedule PP. The revised revenue adjustment at present rates is (\$319,612,800). (See page 4, Line 6, column 5). The revised revenue impact at present rates is (\$509,400). (See page 5, Line 24, column 5). The revised revenue impact at present rates consists of base revenues (-\$151,100) (See page 5, Line 24, column 2), AES adjustment (\$600) (See page 5, Line 24, column 3), and FOA (\$659,900). (See page 5, Line 24, column 4). The change in base revenues and AES adjustment is due to changes in rider participation identified in the response to CA-IR-50 and CA-IR-193.

Schedule PT. The revised revenue adjustment at present rates is (\$26,103,400). (See page 4, Line 7, column 5). The revised revenue impact at present rates is (\$56,100). (See page

5, Line 25, column 5). The revised revenue impact at present rates consists of base revenues (\$0) (See page 5, Line 25, column 2) and FOA (\$56,100). (See page 5, Line 25, column 4).

Schedule F. The revised revenue adjustment at present rates is (\$6,763,500). (See page 45, Line 8, column 5). The revised revenue impact at present rates is (\$12,100). (See page 5, Line 26, column 5). The revised revenue impact at present rates consists of base revenues (\$0) (See page 5, Line 26, column 2) and FOA (\$12,100). (See page 5, Line 26, column 4).

Hawaiian Electric Company, Inc.
Docket No. 2006-0386
Test Year 2007

Estimation of Test Year Revenue - June 2007 Update

Present Rates (\$000S)							Current Effective Rates (\$000s)						
Line	Rate Schedule	Forecast MWh	Base	AES	FOA	Total	Interim Rate increase %	Base Including Interim Increase	AES	FOA	INTERIM SURCHARGE ¹	Total	
		[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]	
1	R	2,128,900	\$261,394.4	(\$1,061.5)	\$156,069.7	\$416,402.6	6.60%	\$278,646.4	(\$1,061.5)	\$156,069.7	\$985.0	\$434,639.6	R
2	G	371,800	\$50,759.8	(\$206.1)	\$27,256.7	\$77,810.4	5.97%	\$53,790.2	(\$206.1)	\$27,256.7	\$172.0	\$81,012.8	G
3	J	2,068,800	\$208,703.1	(\$847.3)	\$151,663.7	\$359,519.5	6.40%	\$222,060.1	(\$847.3)	\$151,663.7	\$957.2	\$373,833.7	J
4	H	40,500	\$4,138.4	(\$16.8)	\$2,969.1	\$7,090.7	6.68%	\$4,414.8	(\$16.8)	\$2,969.1	\$18.7	\$7,385.8	H
5	PS	835,857	\$74,357.4	(\$301.9)	\$61,276.7	\$135,332.2	7.65%	\$80,045.7	(\$301.9)	\$61,276.7	\$386.7	\$141,407.2	PS
6	PP	2,061,983	\$169,135.5	(\$686.7)	\$151,164.0	\$319,612.8	7.04%	\$181,042.6	(\$686.7)	\$151,164.0	\$954.0	\$332,473.9	PP
7	PT	175,161	\$13,316.4	(\$54.1)	\$12,841.1	\$26,103.4	0.00%	\$13,316.4	(\$54.1)	\$12,841.1	\$81.0	\$26,184.4	PT
8	F	37,800	\$4,008.7	(\$16.3)	\$2,771.1	\$6,763.5	9.33%	\$4,382.7	(\$16.3)	\$2,771.1	\$17.5	\$7,155.0	F
9	Total	7,720,801	\$785,813.7	(\$3,190.7)	\$566,012.1	\$1,348,635.1		\$837,698.9	(\$3,190.7)	\$566,012.1	\$3,572.1	\$1,404,092.4	

¹ Interim Surcharge for DG Fuel, DG Trucking, LSFO Trucking of 0.0694 cents/kWh is applied to 8/12ths of Forecast MWh

Estimation of Test Year Revenue - Direct Testimony

Present Rates (\$000S)							Current Effective Rates (\$000s)						
Line	Rate Schedule	Forecast MWh	Base	AES	FOA	Total	Interim Rate increase %	Base Including Interim Increase	AES	FOA	Total		
		[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]	
10	R	2,128,900	\$261,396.5	(\$1,061.5)	\$155,388.4	\$415,723.4	6.60%	\$278,648.7	(\$1,061.5)	\$155,388.4		\$432,975.6	R
11	G	371,800	\$50,759.8	(\$206.1)	\$27,137.7	\$77,691.4	5.97%	\$53,790.2	(\$206.1)	\$27,137.7		\$80,721.8	G
12	J	2,068,800	\$208,770.8	(\$847.6)	\$151,001.7	\$358,924.9	6.40%	\$222,132.1	(\$847.6)	\$151,001.7		\$372,286.2	J
13	H	40,500	\$4,138.4	(\$16.8)	\$2,956.1	\$7,077.7	6.68%	\$4,414.8	(\$16.8)	\$2,956.1		\$7,354.1	H
14	PS	835,857	\$74,352.2	(\$301.9)	\$61,009.2	\$135,059.5	7.65%	\$80,040.1	(\$301.9)	\$61,009.2		\$140,747.4	PS
15	PP	2,061,983	\$169,286.6	(\$687.3)	\$150,504.1	\$319,103.4	7.04%	\$181,204.4	(\$687.3)	\$150,504.1		\$331,021.2	PP
16	PT	175,161	\$13,316.4	(\$54.1)	\$12,785.0	\$26,047.3	0.00%	\$13,316.4	(\$54.1)	\$12,785.0		\$26,047.3	PT
17	F	37,800	\$4,008.7	(\$16.3)	\$2,759.0	\$6,751.4	9.33%	\$4,382.7	(\$16.3)	\$2,759.0		\$7,125.4	F
18	Total	7,720,801	\$786,029.4	(\$3,191.6)	\$563,541.2	\$1,346,379.0		\$837,929.4	(\$3,191.6)	\$563,541.2		\$1,398,279.0	

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Hawaiian Electric Company, Inc.
Docket No. 2006-0386
Test Year 2007

Estimation of Test Year Revenue - June 2007 Update Less Direct Testimony

Present Rates (\$000s)

Current Effective Rates (\$000s)

Line	Rate Schedule	Forecast MWh [1]	Base [2]	AES [3]	FOA [4]	Total [5]	Interim Rate increase % [6]	Base Including Interim Increase [7]	AES [8]	FOA [9]	INTERIM SURCHARGE ¹ [10]	Total [11]	
19 R		0	(\$2.1)	\$0.0	\$681.3	\$679.2	6.60%	(\$2.2)	\$0.0	\$681.3	\$985.0	\$1,664.1	R
20 G		0	\$0.0	\$0.0	\$119.0	\$119.0	5.97%	\$0.0	\$0.0	\$119.0	\$172.0	\$291.0	G
21 J		0	(\$67.7)	\$0.3	\$662.0	\$594.6	6.40%	(\$72.0)	\$0.3	\$662.0	\$957.2	\$1,547.5	J
22 H		0	\$0.0	\$0.0	\$13.0	\$13.0	6.68%	\$0.0	\$0.0	\$13.0	\$18.7	\$31.7	H
23 PS		0	\$5.2	\$0.0	\$267.5	\$272.7	7.65%	\$5.6	\$0.0	\$267.5	\$386.7	\$659.8	PS
24 PP		0	(\$151.1)	\$0.6	\$659.9	\$509.4	7.04%	(\$161.7)	\$0.6	\$659.9	\$954.0	\$1,452.8	PP
25 PT		0	\$0.0	\$0.0	\$56.1	\$56.1	0.00%	\$0.0	\$0.0	\$56.1	\$81.0	\$137.1	PT
26 F		0	\$0.0	\$0.0	\$12.1	\$12.1	9.33%	\$0.0	\$0.0	\$12.1	\$17.5	\$29.6	F
27 Total		0	(\$215.7)	\$0.9	\$2,470.9	\$2,256.1		(\$230.3)	\$0.9	\$2,470.9	\$3,572.1	\$5,813.6	

¹ Interim Surcharge for DG Fuel, DG Trucking, LSFO Trucking of 0.0694 cents/kWh is applied to 8/12ths of Forecast MWh

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**HAWAIIAN ELECTRIC COMPANY, INC.
DOCKET NO. 2006-0386
2007 TEST YEAR**

**DERIVATION OF INTERIM SURCHARGE
FOR CALCULATION OF ELECTRIC REVENUES
AT CURRENT EFFECTIVE RATES**

L1	Substation DG Fuel Expense & LSFO Trucking Cost (\$000s) ¹	\$3,253
L2	Revenue Tax Factor	1.0975
L3 = L1 * L2	Interim Surcharge to Collect from Customers (\$000s) May - Dec, 2007	\$3,570
L4	Forecast Electric Sales (Annual MWh), TY2007 ²	7,720,801
L5 = 8/12 * L4	Forecast Electric Sales (MWh), TY2007 May - Dec, 2007	5,147,201
L6 = L3 ÷ L5	Rate Adjustment @ Current Effective Rates, TY 2007 ¢/kWh	0.0694

¹ Annual Substation DG Fuel Expense: \$3,805
See Updated HECO-404, Page 1
Annual Honolulu LSFO Trucking Expense: \$906
See Updated HECO-405, Page 2
Annual Substation DG Trucking Expense: \$168
See Updated HECO-405, Page 2

Number of Months For Interim Surcharge: 8
Interim Surcharge effective May 1, 2007

² HECO-201, Page 1

HAWAIIAN ELECTRIC COMPANY, INC.
Docket No. 2006-0386, Test-Year 2007 DIRECT TESTIMONY
SCHEDULE R - RESIDENTIAL SERVICE

ESTIMATE OF TEST YEAR REVENUES

	BILLING UNITS	UNIT PRICE	PRESENT RATES		
			REVENUES \$1000S	DIRECT TESTIMONY	REVENUE IMPACT (Update - Direct)
<u>ENERGY CHARGE:</u>	<u>(MWH)</u>	<u>c/kWh</u>			
NON-FUEL ENERGY CHARGE	2,128,900	7.7814	\$165,658.2		
BASE FUEL ENERGY CHARGE	2,128,900	3.5140	\$74,809.5		
SUBTOTAL			\$240,467.7		
<u>CUSTOMER CHARGE:</u>	<u>BILLS</u>	<u>\$/MONTH</u>			
1 PHASE CHARGE	3,134,056	7.00	\$21,938.4		
3 PHASE CHARGE	1,568	15.00	\$23.5		
SUBTOTAL	3,135,624		\$21,961.9		
<u>ADJUSTMENTS:</u>					
FUEL OIL ADJUSTMENT:	c/KWH	7.331	\$156,069.7	\$155,388.4	\$681.3
RATE ADJUSTMENT (AES REFUND):	(%)	-0.406%	(\$1,061.5)		
MISCELLANEOUS **:			(\$1,035.2)	(\$1,033.1)	(\$2.1)
SUBTOTAL			\$153,973.0	\$153,293.8	\$679.2
TOTAL REVENUES AT PRESENT RATES			\$416,402.6	\$415,723.4	\$679.2
INTERIM RATE INCREASE REVENUES			\$17,252.0	\$17,252.2	(\$0.2)
INTERIM SURCHARGE REVENUES			\$985.0		
TOTAL REVENUE AT CURRENT EFFECTIVE RATES			\$434,639.6	\$432,975.6	\$1,664.0

** INCLUDES Schedule E Adj., Minimum Bill Adj., Apartment House Discount, and Residential TOU Adjustment.

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HAWAIIAN ELECTRIC COMPANY, INC.
Docket No. 2006-0386, Test-Year 2007 DIRECT TESTIMONY
SCHEDULE R - RESIDENTIAL SERVICE

DETERMINATION OF TEST-YEAR REVENUE ADJUSTMENTS
FOR MINIMUM CHARGE PROVISION

<u>1 PHASE</u>	<u>PRESENT RATES</u>	<u>DIRECT TESTIMONY</u>
MINIMUM CHRG.,\$/MO.	16.00	
BASE RATE,\$/kWh	0.112954	
F.O.A.,\$/kWh	0.073310	0.072990
CUSTOMER CHRG, \$/MO	7.00	
MINIMUM kWh/MONTH	48.32	48.40
<u>3 PHASE</u>		
MINIMUM CHRG.,\$/MO.	16.00	
BASE RATE,\$/kWh	0.112954	
F.O.A.,\$/kWh	0.073310	0.072990
CUSTOMER CHRG, \$/MO	15.00	
MINIMUM kWh/MONTH	5.37	5.38

<u>1 PHASE</u>	<u>PRESENT RATES</u>	
	<u>RECORDED</u>	<u>FORECAST</u>
<u>SALES, MWH</u>		
TOTAL R,E 1 Phase	2,124,880	2,125,068
<= MIN.KWH 48 (58)	622	616
% OF TOTAL	0.029	
<u>NUMBER OF BILLS</u>		
TOTAL R,E 1 Phase	3,100,011	3,134,056
<= MIN.KWH 48 (58)	24,504	24,759
% OF TOTAL	0.790	

<u>3 PHASE</u>	<u>PRESENT RATES</u>	
	<u>RECORDED</u>	<u>FORECAST</u>
<u>SALES, MWH</u>		
TOTAL R,E 3 Phase	3,909	3,832
<= MIN.KWH 5 (29)	0	0
% OF TOTAL	0.001	
<u>NUMBER OF BILLS</u>		
TOTAL R,E 3 Phase	1,524	1,568
<= MIN.KWH 5 (29)	13	13
% OF TOTAL	0.853	

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HAWAIIAN ELECTRIC COMPANY, INC.
Docket No. 2006-0386, Test-Year 2007 DIRECT TESTIMONY
SCHEDULE R - RESIDENTIAL SERVICE

ESTIMATES OF TEST-YEAR REVENUE ADJUSTMENTS
FOR MINIMUM CHARGE PROVISION

AT PRESENT RATES

<u>1 PHASE</u>	<u>UNITS BILLED</u>	<u>UNIT PRICE</u>	<u>REVENUES \$1000s</u>	<u>DIRECT TESTIMONY</u>
IF NO PROVISION FOR MINIMUM CHRG.:	<u>MWH</u>	<u>c/KWh</u>		
BASE ENERGY CHARGE	616	11.2954	\$69.6	
FUEL OIL ADJUSTMENT:	616	7.331	\$45.2	\$45.0
	<u>BILLS</u>	<u>\$/MONTH</u>		
CUSTOMER CHARGE	24,759	7.00	<u>\$173.3</u>	
TOTAL, No Min Chrg Provision			\$288.1	\$287.9
	<u>BILLS</u>	<u>\$/MONTH</u>		
AS BILLED WITH MINIMUM CHARGE:	24,759	16.00	<u>\$396.1</u>	
1 PHASE - MINIMUM BILL ADJ.			\$108.0	\$108.2

HAWAIIAN ELECTRIC COMPANY, INC.
Docket No. 2006-0386, Test-Year 2007 DIRECT TESTIMONY
SCHEDULE R - RESIDENTIAL SERVICE

ESTIMATE OF TEST-YEAR REVENUE ADJUSTMENTS
FOR EMPLOYEE SERVICE

ALL SINGLE PHASE	RECORDED	FORECAST	DIRECT TESTIMONY
<u>MWH SALES:</u>			
0-825 KWH	7,495	7,520	
>825 KWH	13,724	13,769	
TOTAL	21,219	21,289	

<u>NUMBER OF BILLS:</u>		
0-825 KWH	14,120	14,190
>825 KWH	10,841	10,895
TOTAL	24,961	25,085

	UNITS BILLED (MWH)	UNIT PRICE \$/KWH	REVENUES \$1000s	
<u>EMPLOYEE DISCOUNT</u>				
0-825 KWH				
ENERGY CHARGE	7520	11.2954	\$849.4	
FUEL OIL ADJUSTMENT:	7520	7.331	\$551.3	\$548.9
SUBTOTAL			\$1,400.7	\$1,398.3
	<u>BILLS</u>			
CUSTOMER CHARGE	14190	7.00	\$99.3	
TOTAL			\$1,500.0	\$1,497.6
<u>-1/3 EMPLOYEE ADJUSTMENT</u>			(\$500.0)	(\$499.2)

	UNITS BILLED (MWH)	UNIT PRICE \$/KWH	REVENUES \$1000s	
<u>EMPLOYEE DISCOUNT</u>				
>825 KWH				
LIMITED to 825 KWH				
ENERGY CHARGE	8988	11.2954	\$1,015.2	
FUEL OIL ADJUSTMENT:	8988	7.331	\$658.9	\$656.0
SUBTOTAL			\$1,674.1	
	<u>BILLS</u>			
CUSTOMER CHARGE	10895	7.00	\$76.3	
TOTAL			\$1,750.4	\$1,747.5
<u>-1/3 EMPLOYEE ADJUSTMENT</u>			(\$583.5)	(\$582.5)
<u>TOTAL EMPLOYEE ADJ:</u>			(\$1,083.5)	(\$1,081.7)

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HAWAIIAN ELECTRIC COMPANY, INC.
Docket No. 2006-0386, Test-Year 2007 DIRECT TESTIMONY
SCHEDULE R - RESIDENTIAL SERVICE

DETERMINATION OF TEST-YEAR BILLING LOADS
FOR APARTMENT HOUSE COLLECTION PROVISION

	<u>PRESENT RATES</u>	<u>DIRECT TESTIMONY</u>
MAX Bill 100% Disc.,\$/MO.	50.00	
BASE ENERGY ,\$/KWH	0.112954	
F.O.A., \$/KWH	0.07331	0.07299
RATE ADJUSTMENT, %	(0.00406)	
INTERIM RATE ADJUSTMENT, %	0.06600	
CUST. CHG., \$/BILL	7.00	
KWH BLOCK @ MAX.DISC.	220.25	220.62

	<u>PRESENT RATES</u>	
	<u>RECORDED (MWH)</u>	<u>FORECAST (MWH)</u>
<u>SALES:</u>		
0-220 (233) KWH	606	618
>220 (233) KWH	<u>4,824</u>	<u>4,917</u>
TOTAL	5,430	5,535
<u>NUMBER OF BILLS:</u>	<u>RECORDED BILLS</u>	<u>FORECAST BILLS</u>
0-220 (233) KWH	4,744	4,842
>220 (233) KWH	<u>8,775</u>	<u>8,955</u>
TOTAL	13,519	13,797

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HAWAIIAN ELECTRIC COMPANY, INC.
Docket No. 2006-0386, Test-Year 2007 DIRECT TESTIMONY
SCHEDULE R - RESIDENTIAL SERVICE

ESTIMATE OF TEST-YEAR REVENUE ADJUSTMENTS
FOR APARTMENT HOUSE COLLECTION PROVISION

	<u>PRESENT RATES</u>			
	<u>UNITS BILLED</u>	<u>UNIT PRICE</u>	<u>REVENUES \$1000S</u>	<u>DIRECT TESTIMONY</u>
Apt. Bills subject to 100% of Apt. House Discount	<u>MWH</u>	<u>c/kWh</u>		
ENERGY CHARGE	618	11.2954	\$69.8	
	<u>Bills</u>	<u>\$/month</u>		
CUSTOMER CHARGE	4,842	7.00	<u>\$33.9</u>	
TOTAL BASE CHARGES			<u>\$103.7</u>	
FUEL OIL ADJUSTMENT:	7.331	c/KWH	\$45.3	\$45.1
RATE ADJUSTMENT (AES REFUND)	-0.406	(%)	<u>(\$0.4)</u>	
TOTAL ADJUSTMENTS			<u>\$44.9</u>	<u>\$44.7</u>
TOTAL OF BILLS subject to 10% discount			\$148.6	\$148.4
10% APT DISC.			(\$14.9)	(\$14.8)
	<u>Bills</u>	<u>\$/month</u>		
Apt. House Bills subject to Maximum Discount	8,955	5.00	<u>(\$44.8)</u>	
APT. HOUSE REVENUE ADJ.			(\$59.7)	(\$59.6)

HAWAIIAN ELECTRIC COMPANY, INC.
Docket No. 2006-0386, Test-Year 2007 DIRECT TESTIMONY
SCHEDULE R - RESIDENTIAL SERVICE

ESTIMATE OF TEST YEAR REVENUES

PRESENT RATES					
	BILLING UNITS	UNIT PRICE	REVENUES \$1000S	DIRECT TESTIMONY	REVENUE IMPACT
					(Update - Direct)
<u>ENERGY CHARGE:</u>	<u>(MWH)</u>	<u>c/kWh</u>			
NON-FUEL ENERGY CHARGE	2,128,900	7.7814	\$165,658.2		
BASE FUEL ENERGY CHARGE	2,128,900	3.5140	<u>\$74,809.5</u>		
SUBTOTAL			\$240,467.7		
<u>CUSTOMER CHARGE:</u>	<u>BILLS</u>	<u>\$/MONTH</u>			
1 PHASE CHARGE	3,134,056	7.00	\$21,938.4		
3 PHASE CHARGE	<u>1,568</u>	15.00	<u>\$23.5</u>		
SUBTOTAL	3,135,624		\$21,961.9		
<u>ADJUSTMENTS:</u>					
SCHEDULE E ADJ.			(\$1,083.5)	(\$1,081.7)	(\$1.8)
MINIMUM BILL ADJ. - 1 PHASE			\$108.0	\$108.2	(\$0.2)
MINIMUM BILL ADJ. - 3 PHASE			\$0.0		
RESIDENTIAL TOU			\$0.0		
APARTMENT HOUSE:			(\$59.7)	(\$59.6)	(\$0.1)
SUBTOTAL			<u>(\$1,035.2)</u>	(\$1,033.1)	(\$2.1)
TOTAL BASE REVENUE			\$261,394.4	\$261,396.5	(\$2.1)
<u>BILL ADJUSTMENTS:</u>					
FUEL OIL ADJUSTMENT:	c/KWH	7.331	\$156,069.7	\$155,388.4	\$681.3
RATE ADJUSTMENT (AES REFUND):	(%)	-0.406%	<u>(\$1,061.5)</u>		
TOTAL REVENUES			\$416,402.6	\$415,723.4	\$679.2

HAWAIIAN ELECTRIC COMPANY, INC.
Docket No. 2006-0386, Test-Year 2007 DIRECT TESTIMONY
SCHEDULE G - GENERAL SERVICE NON-DEMAND

ESTIMATE OF TEST YEAR REVENUES

<u>PRESENT RATES</u>					
	<u>BILLING UNITS</u>	<u>UNIT PRICE</u>	<u>REVENUES \$1000S</u>	<u>DIRECT TESTIMONY</u>	<u>REVENUE IMPACT</u>
	<u>BILLS</u>	<u>\$/month</u>			(Update - Direct)
<u>CUSTOMER CHARGE:</u>					
1 PHASE - Regular	192,429	20.00	\$3,848.6		
3 PHASE - Regular	119,955	45.00	\$5,398.0		
SUBTOTAL	312,384		\$9,246.6		
<u>ENERGY CHARGE:</u>	<u>(MWH)</u>	<u>c/kWh</u>			
G: Regular NON-DEMAND	371,800	11.1570	\$41,481.7		
SUBTOTAL	371,800		\$41,481.7		
<u>ADJUSTMENTS</u>		<u>Rate</u>			
FUEL OIL ADJUSTMENT:		7.331 c/KWH	\$27,256.7	\$27,137.7	\$119.0
RATE ADJUSTMENT (AES REFUND):		(0.406) (%)	(\$206.1)		
MISCELLANEOUS **			\$31.5		
SUBTOTAL			\$27,082.1	\$26,963.1	\$119.0
TOTAL REVENUES			\$77,810.4	\$77,691.4	\$119.0
INTERIM RATE INCREASE REVENUES			\$3,030.4		
INTERIM SURCHARGE REVENUES			\$172.0		
TOTAL REVENUE AT CURRENT EFFECTIVE RATES			\$81,012.8	\$80,721.8	\$291.0

** INCLUDES Schedule E Adj., Service Voltage Adj., Minimum Bill Adjustments, and TOU-C Option 1 Adjustment.

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Schedule J - General Service Demand

Estimate of Test Year Revenues

PRESENT RATES					
	BILLING UNITS	UNIT PRICE	REVENUES \$000s	DIRECT TESTIMONY	REVENUE IMPACT
					(Update - Direct)
<u>ENERGY CHARGE:</u>	<u>(MWH)</u>	<u>c/kWh</u>			
0 - 200 KWH/KW	1,198,252	8.6900	\$104,128.1		
201 - 400 KWH/KW	697,152	7.5419	\$52,578.5		
> 400 KWH/KW	173,396	6.5130	\$11,293.3		
TOTAL	2,068,800		\$167,999.9		
<u>DEMAND CHARGE:</u>	<u>kW</u>	<u>\$/kW</u>			
ALL BILLING KW	6,609,417	5.75	\$38,004.1		
<u>CUSTOMER CHARGE:</u>	<u>BILLS</u>	<u>\$/month</u>			
1 PHASE	6,621	35.00	\$231.7		
3 PHASE	74,319	60.00	\$4,459.1		
SUBTOTAL	80,940		\$4,690.8		
ADJUSTMENTS:					
MISCELLANEOUS **			(\$1,991.7)	(\$1,924.0)	(\$67.7)
Fuel Oil Adjustment	c/kWh	7.331	\$151,663.7	\$151,001.7	\$662.0
Rate Adjustment (AES Refund)	%	-0.406%	(\$847.3)	(\$847.6)	\$0.3
TOTAL REVENUE			\$359,519.5	\$358,924.9	\$594.6
INTERIM RATE INCREASE REVENUES			\$13,357.0	\$13,361.3	(\$4.3)
INTERIM SURCHARGE REVENUES			\$957.2		
TOTAL REVENUE AT CURRENT EFFECTIVE RATES			\$373,833.7	\$372,286.2	\$1,547.5

** INCLUDES Schedule E Adjustment, Service Voltage Adjustments, Power Factor Adjustment, Network Adjustment, TOU-C Option 2 Adjustment, and Rider Adjustments.

HAWAIIAN ELECTRIC COMPANY, INC.
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Schedule J - General Service Demand

Estimate of Test Year Revenues

PRESENT RATES					
	BILLING UNITS	UNIT PRICE	REVENUES \$000s	DIRECT TESTIMONY	REVENUE IMPACT (Update - Direct)
ENERGY CHARGE:	(MWH)	c/kWh			
0 - 200 KWH/KW	1,198,252	8.6900	\$104,128.1		
201 - 400 KWH/KW	697,152	7.5419	\$52,578.5		
> 400 KWH/KW	173,396	6.5130	\$11,293.3		
TOTAL	2,068,800		\$167,999.9		
DEMAND CHARGE:	KW	\$/KW			
ALL BILLING KW	6,609,417	5.75	\$38,004.1		
CUSTOMER CHARGE:	BILLS	\$/month			
1 PHASE	6,621	35.00	\$231.7		
3 PHASE	74,319	60.00	\$4,459.1		
SUBTOTAL	80,940		\$4,690.8		
ADJUSTMENTS:					
POWER FACTOR ADJ.			(\$308.0)		
TP VOLT. ADJ.			(\$84.6)		
TS VOLT. ADJ.			(\$4.4)		
DP VOLT. ADJ.			(\$403.0)		
DS VOLT. ADJ.			(\$14.4)		
NETWORK ADJ.			\$0.0		
Schedule E Adjustment			\$0.0		
Schedule J - TOU Adjustment					
SUBTOTAL			(\$814.4)		
UNADJUSTED BASE REVENUE			\$209,880.4		
RATE RIDER & OTHER REVENUE ADJ.					
RIDER M(B)			(\$160.6)	(\$152.5)	(\$8.1)
RIDER I			(\$45.8)		
RIDER T			(\$398.0)	(\$338.4)	(\$59.6)
MULTIPLE RIDERS			(\$247.5)		
SCHEDULE U			(\$325.4)		
Total Rate Rider & Other Revenue Adjustments			(\$1,177.3)	(\$1,109.6)	(\$67.7)
Total Base Revenue			\$208,703.1	\$208,770.8	(\$67.7)
Fuel Oil Adjustment	c/kWh	7.331	\$151,663.7	\$151,001.7	\$662.0
Rate Adjustment (AES Refund)	%	-0.406%	(\$847.3)	(\$847.6)	\$0.3
TOTAL REVENUE			\$359,519.5	\$358,924.9	\$594.6

HAWAIIAN ELECTRIC COMPANY, INC.
SCHEDULE J - General Service Demand
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SUMMARY OF TEST-YEAR REVENUES ADJUSTMENTS
FOR RIDER SERVICE AT PRESENT RATES

<u>RIDER M(B)</u>	<u>PRESENT (\$1000s)</u>	<u>DIRECT TESTIMONY</u>
Rider Mb J1	(\$10.6)	
Rider Mb J2	(\$12.5)	
Rider Mb J3	(\$12.4)	
Rider Mb J4	(\$18.6)	
Rider Mb J5	(\$7.1)	
Rider Mb J6	(\$3.7)	
Rider Mb J7	(\$11.2)	
Rider Mb J8	(\$30.5)	
Rider Mb J9	(\$13.5)	
Rider Mb J10	(\$7.6)	
Rider Mb J11	(\$24.8)	
Rider Mb J12	(\$1.1)	\$0.0 CA-IR-50
Rider Mb J13	(\$1.9)	\$0.0 CA-IR-193
Rider Mb J14	(\$5.1)	\$0.0 Formerly rider Mb PS3
Total Rider Mb	(\$160.6)	(\$152.5)
<u>RIDER I</u>	<u>PRESENT (\$1000s)</u>	
Rider I J1	(\$45.8)	
Total Rider I	(\$45.8)	
<u>RIDER T</u>	<u>PRESENT (\$1000s)</u>	
Rider T J1	(\$44.2)	(\$61.0) CA-IR-193
Rider T J2	(\$0.6)	(\$0.5) CA-IR-193
Rider T J3	(\$3.0)	
Rider T J4	(\$12.7)	(\$12.6) CA-IR-193
Rider T J5	(\$18.3)	(\$3.9) CA-IR-193
Rider T J6	(\$5.1)	(\$4.2) CA-IR-193
Rider T J7	(\$34.8)	
Rider T J8	(\$39.4)	
Rider T J9	(\$1.4)	
Rider T J10	(\$5.2)	
Rider T J11	(\$0.9)	
Rider T J12	(\$1.2)	
Rider T J13	(\$5.9)	
Rider T J14	(\$4.7)	
Rider T J15	(\$10.2)	
Rider T J16	(\$48.8)	
Rider T J17	(\$32.7)	
Rider T J18	(\$26.0)	
Rider T J19	(\$25.9)	
Rider T J20	(\$1.3)	
Rider T J21	\$0.0	(\$0.6) CA-IR-193
Rider T J22	(\$3.4)	
Rider T J23	(\$1.8)	
Rider T J24	(\$23.6)	
Rider T J25	(\$46.9)	
TOTAL	(\$398.0)	(\$338.4)
<u>MULTIPLE RIDERS</u>	<u>PRESENT (\$1000s)</u>	
Rider Mbl J1	(\$247.5)	
TOTAL	(\$247.5)	
<u>SCHEDULE U</u>	<u>PRESENT (\$1000s)</u>	
Sch U J1	(\$99.9)	
Sch U J2	(\$32.2)	
Sch U J3	(\$68.7)	
Sch U J4	(\$124.6)	
TOTAL	(\$325.4)	

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Rider Mb J12

	<u>Billing Units @ Present Rates</u>		<u>Revenues @ Present Rates</u>	
	Sch. J	Rider M(b)	Sch. J	Rider M(b)
Billing Load Per Month:				
Curtailable Load		16.4		
Billing kW	186.2	173.9		
kWh Per Month	37,013	37,013		
On-Peak kWh		0		
Off-Peak kWh		0		
Power Factor	85	85		
<u>Energy Charge:</u>				
0 - 200 kWh/kW	37,013	34,780	\$3,216	\$3,022
201 - 400 kWh/kW	0	2,233	\$0	\$168
>400 kWh/kW	0	0	\$0	\$0
Subtotal	37,013	37,013	\$3,216	\$3,190
On-Peak Surcharge		0		\$0
Off-Peak Credit		0		\$0
Rider T Energy Charge Adjustment		0		\$0
<u>Demand Charge:</u>				
Total kWb	186.2	173.9	\$1,071	\$1,000
Customer Charge			\$60	\$60
Time-of-Day Metering Charge				\$10
Primary Voltage Service Discount			\$0	\$0
Power Factor Adjustment			\$0	\$0
Total Base Revenue Per Month			\$4,347	\$4,260
Fuel Oil Adjustment			\$0	\$0
Rate Adjustment (AES Refund)			\$0	\$0
IRP Adjustment			\$0	\$0
DSM Adjustment			\$0	\$0
Total Revenue Per Month			\$4,347	\$4,260
Total Revenue Per Year (\$000s)			\$52.2	\$51.1
Rider Adjustment (\$000s/Yr)				(\$1.1)

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Rider Mb2 J13

	<u>Billing Units @ Present Rates</u>		<u>Revenues @ Present Rates</u>	
	Sch. J	Rider M(b)	Sch. J	Rider M(b)
Billing Load Per Month:				
Curtaillable Load		34.9		
Billing kW	93.7	79.7		
kWh Per Month	38,920	38,920		
On-Peak kWh		0		
Off-Peak kWh		0		
Power Factor	85	85		
<u>Energy Charge:</u>				
0 - 200 kWh/kW	18,740	15,940	\$1,629	\$1,385
201 - 400 kWh/kW	18,740	15,940	\$1,413	\$1,202
>400 kWh/kW	1,440	7,040	\$94	\$459
Subtotal	38,920	38,920	\$3,136	\$3,046
On-Peak Surcharge		0		\$0
Off-Peak Credit		0		\$0
Rider T Energy Charge Adjustment		0		\$0
<u>Demand Charge:</u>				
Total kWb	93.7	79.7	\$539	\$458
Customer Charge			\$60	\$60
Time-of-Day Metering Charge				\$10
Primary Voltage Service Discount			\$0	\$0
Power Factor Adjustment			\$0	\$0
Total Base Revenue Per Month			\$3,735	\$3,574
Fuel Oil Adjustment			\$0	\$0
Rate Adjustment (AES Refund)			\$0	\$0
IRP Adjustment			\$0	\$0
DSM Adjustment			\$0	\$0
Total Revenue Per Month			\$3,735	\$3,574
Total Revenue Per Year (\$000s)			\$44.8	\$42.9
Rider Adjustment (\$000s/Yr)				(\$1.9)

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Rider Mb J14

	<u>Billing Units @ Present Rates</u>		<u>Revenues @ Present Rates</u>	
	Sch. J	Rider M(b)	Sch. J	Rider M(b)
Billing Load Per Month:				
Curtailable Load		47.6		
Billing kW	861.1	825.4		
kWh Per Month	400,480	400,480		
On-Peak kWh		0		
Off-Peak kWh		0		
Power Factor	81	81		
<u>Energy Charge:</u>				
0 - 200 kWh/kW	172,220	165,080	\$14,966	\$14,345
201 - 400 kWh/kW	172,220	165,080	\$12,989	\$12,450
>400 kWh/kW	56,040	70,320	\$3,650	\$4,580
Subtotal	400,480	400,480	\$31,605	\$31,375
On-Peak Surcharge		0		\$0
Off-Peak Credit		0		\$0
Rider T Energy Charge Adjustment		0		\$0
<u>Demand Charge:</u>				
Total kWb	861.1	825.4	\$4,951	\$4,746
Customer Charge			\$60	\$60
Time-of-Day Metering Charge				\$10
Primary Voltage Service Discount			\$0	\$0
Power Factor Adjustment			\$146	\$144
Total Base Revenue Per Month			\$36,762	\$36,335
Fuel Oil Adjustment			\$0	\$0
Rate Adjustment (AES Refund)			\$0	\$0
IRP Adjustment			\$0	\$0
DSM Adjustment			\$0	\$0
Total Revenue Per Month			\$36,762	\$36,335
Total Revenue Per Year (\$000s)			\$441.1	\$436.0
Rider Adjustment (\$000s/Yr)				(\$5.1)

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Rider T J1

	<u>Billing Units @ Present Rates</u>		<u>Revenues @ Present Rates</u>		<u>DIRECT TESTIMONY</u>	
	Sch. J3	Rider T	Sch. J3	Rider T	Sch. J3	Rider T
Billing Load Per Month:						
Curtailable Load						
Billing kW	5,649.1	5,367.8			Billing kW	5649.1 5190.8
kWh Per Month	1,247,195	1,247,195				
On-Peak kWh		718,799				
Off-Peak kWh		528,396				
Power Factor	85	85				
<u>Energy Charge:</u>						
0 - 200 kWh/kW	1,129,820	1,073,560	\$98,181	\$93,292	Revenues	\$98,181 \$90,216
201 - 400 kWh/kW	117,375	173,635	\$8,852	\$13,095		\$8,852 \$15,765
>400 kWh/kW	0	0	\$0	\$0		\$0 \$0
Subtotal	1,247,195	1,247,195	\$107,033	\$106,387		\$107,033 \$105,981
On-Peak Surcharge		718,799		\$14,376		
Off-Peak Credit		528,396		(\$15,852)		
Rider T Energy Charge Adjustment		1,247,195		(\$1,476)		
<u>Demand Charge:</u>						
Total kWb	5,649.1	5,367.8	\$32,482	\$30,865		\$32,482 \$29,847
Customer Charge			\$60	\$60		
Time-of-Day Metering Charge				\$10		
Primary Voltage Service Discount			(\$2,651)	(\$2,608)		(\$2,651) (\$2,581)
Power Factor Adjustment			\$0	\$0		
Total Base Revenue Per Month			\$136,924	\$133,238		\$136,924 \$131,841
Fuel Oil Adjustment			\$0	\$0		
Rate Adjustment (AES Refund)			\$0	\$0		
IRP Adjustment			\$0	\$0		
DSM Adjustment			\$0	\$0		
Total Revenue Per Month			\$136,924	\$133,238		\$136,924 \$131,841
Total Revenue Per Year (\$000s)			\$1,643.1	\$1,598.9		\$1,643.1 \$1,582.1
Rider Adjustment (\$000s/Yr)				(\$44.2)		(\$61.0)

Hawaiian Electric Company, Inc.
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Rider T J2

	<u>Billing Units @ Present Rates</u>		<u>Revenues @ Present Rates</u>		<u>DIRECT TESTIMONY</u>	
	Sch. J	Rider T	Sch. J	Rider T	Sch. J3	Rider T
Billing Load Per Month:						
Curtailable Load						
Billing kW	37.6	36.1			Billing kW	37.6
kWh Per Month	2,440	2,440				
On-Peak kWh		573				
Off-Peak kWh		1,867				
Power Factor	85	85				
<u>Energy Charge:</u>						
0 - 200 kWh/kW	2,440	2,440	\$212	\$212	Revenues	
201 - 400 kWh/kW	0	0	\$0	\$0		
>400 kWh/kW	0	0	\$0	\$0		
Subtotal	2,440	2,440	\$212	\$212		
On-Peak Surcharge		573		\$11		
Off-Peak Credit		1,867		(\$56)		
Rider T Energy Charge Adjustment		2,440		(\$45)		
<u>Demand Charge:</u>						
Total kWb	37.6	36.1	\$216	\$208	\$216	\$216
Customer Charge			\$60	\$60		
Time-of-Day Metering Charge				\$10		
Primary Voltage Service Discount			\$0	\$0		
Power Factor Adjustment			\$0	\$0		
Total Base Revenue Per Month			\$488	\$445	\$488	\$453
Fuel Oil Adjustment			\$0	\$0		
Rate Adjustment (AES Refund)			\$0	\$0		
IRP Adjustment			\$0	\$0		
DSM Adjustment			\$0	\$0		
Total Revenue Per Month			\$488	\$445	\$488	\$453
Total Revenue Per Year (\$000s)			\$5.9	\$5.3	\$5.9	\$5.4
Rider Adjustment (\$000s/Yr)				(\$0.6)		(\$0.5)

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Rider T J4

	<u>Billing Units @ Present Rates</u>		<u>Revenues @ Present Rates</u>		<u>DIRECT TESTIMONY</u>	
	Sch. J	Rider T	Sch. J	Rider T	Sch. J3	Rider T
Billing Load Per Month:						
Curtailable Load						
Billing kW	291.4	290.1			Billing kW	291.4 291.4
kWh Per Month	77,527	77,527				
On-Peak kWh		25,340				
Off-Peak kWh		52,187				
Power Factor	88	88				
<u>Energy Charge:</u>						
0 - 200 kWh/kW	58,280	58,020	\$5,065	\$5,042	Revenues	\$5,065 \$5,065
201 - 400 kWh/kW	19,247	19,507	\$1,452	\$1,471		\$1,452 \$1,452
>400 kWh/kW	0	0	\$0	\$0		\$0 \$0
Subtotal	77,527	77,527	\$6,517	\$6,513		\$6,517 \$6,517
On-Peak Surcharge		25,340		\$507		
Off-Peak Credit		52,187		(\$1,566)		
Rider T Energy Charge Adjustment		77,527		(\$1,059)		
<u>Demand Charge:</u>						
Total kWb	291.4	290.1	\$1,676	\$1,668		\$1,676 \$1,676
Customer Charge			\$60	\$60		
Time-of-Day Metering Charge				\$10		
Primary Voltage Service Discount			\$0	\$0		
Power Factor Adjustment			(\$25)	(\$25)		
Total Base Revenue Per Month			\$8,228	\$7,167		\$8,228 \$7,179
Fuel Oil Adjustment			\$0	\$0		
Rate Adjustment (AES Refund)			\$0	\$0		
IRP Adjustment			\$0	\$0		
DSM Adjustment			\$0	\$0		
Total Revenue Per Month			\$8,228	\$7,167		\$8,228 \$7,179
Total Revenue Per Year (\$000s)			\$98.7	\$86.0		\$98.7 \$86.1
Rider Adjustment (\$000s/Yr)				(\$12.7)		(\$12.6)

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Rider T J5

	<u>Billing Units @ Present Rates</u>		<u>Revenues @ Present Rates</u>		<u>DIRECT TESTIMONY</u>	
	Sch. J	Rider T	Sch. J	Rider T	Sch. J3	Rider T
Billing Load Per Month:						
Curtailable Load						
Billing kW	404.2	259.8			Billing kW	404.2 403.9
kWh Per Month	107,040	107,040				
On-Peak kWh		57,580				
Off-Peak kWh		49,460				
Power Factor	84	84				
Energy Charge:						
0 - 200 kWh/kW	80,840	51,960	\$7,025	\$4,515	Revenues	\$7,025 \$7,020
201 - 400 kWh/kW	26,200	51,960	\$1,976	\$3,919		\$1,976 \$1,981
>400 kWh/kW	0	3,120	\$0	\$203		\$0 \$0
Subtotal	107,040	107,040	\$9,001	\$8,637		\$9,001 \$9,001
On-Peak Surcharge		57,580		\$1,152		
Off-Peak Credit		49,460		(\$1,484)		
Rider T Energy Charge Adjustment		107,040		(\$332)		
Demand Charge:						
Total kWb	404.2	259.8	\$2,324	\$1,494		\$2,324 \$2,322
Customer Charge			\$60	\$60		
Time-of-Day Metering Charge				\$10		
Primary Voltage Service Discount			\$0	\$0		
Power Factor Adjustment			\$11	\$10	\$11	\$11
Total Base Revenue Per Month			\$11,396	\$9,879	\$11,396	\$11,072
Fuel Oil Adjustment			\$0	\$0		
Rate Adjustment (AES Refund)			\$0	\$0		
IRP Adjustment			\$0	\$0		
DSM Adjustment			\$0	\$0		
Total Revenue Per Month			\$11,396	\$9,879	\$11,396	\$11,072
Total Revenue Per Year (\$000s)			\$136.8	\$118.5	\$136.8	\$132.9
Rider Adjustment (\$000s/Yr)				(\$18.3)		(\$3.9)

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Rider T J6

	<u>Billing Units @ Present Rates</u>		<u>Revenues @ Present Rates</u>		<u>DIRECT TESTIMONY</u>	
	Sch. J	Rider T	Sch. J	Rider T	Sch. J3	Rider T
Billing Load Per Month:						
Curtailable Load						
Billing kW	193.9	181.0			Billing kW	193.9 193.9
kWh Per Month	31,080	31,080				
On-Peak kWh		11,507				
Off-Peak kWh		19,573				
Power Factor	88	88				
<u>Energy Charge:</u>						
0 - 200 kWh/kW	31,080	31,080	\$2,701	\$2,701	Revenues	\$2,701 \$2,701
201 - 400 kWh/kW	0	0	\$0	\$0		\$0 \$0
>400 kWh/kW	0	0	\$0	\$0		\$0 \$0
Subtotal	31,080	31,080	\$2,701	\$2,701		\$2,701 \$2,701
On-Peak Surcharge		11,507		\$230		
Off-Peak Credit		19,573		(\$587)		
Rider T Energy Charge Adjustment		31,080		(\$357)		
<u>Demand Charge:</u>						
Total kWb	193.9	181.0	\$1,115	\$1,041		\$1,115 \$1,115
Customer Charge			\$60	\$60		
Time-of-Day Metering Charge				\$10		
Primary Voltage Service Discount			\$0	\$0		
Power Factor Adjustment			(\$11)	(\$11)		
Total Base Revenue Per Month			\$3,865	\$3,444		\$3,865 \$3,518
Fuel Oil Adjustment			\$0	\$0		
Rate Adjustment (AES Refund)			\$0	\$0		
IRP Adjustment			\$0	\$0		
DSM Adjustment			\$0	\$0		
Total Revenue Per Month			\$3,865	\$3,444		\$3,865 \$3,518
Total Revenue Per Year (\$000s)			\$46.4	\$41.3		\$46.4 \$42.2
Rider Adjustment (\$000s/Yr)				(\$5.1)		(\$4.2)

Rider Contract terminated 02-01-2006

Hawaiian Electric Company, Inc.
Schedule J - General Service Demand
Docket No. 2006-0386, Test-Year 2007

Rider T J21

	<u>Billing Units @ Present Rates</u>		<u>Revenues @ Present Rates</u>	
	Sch. J	Rider T	Sch. J	Rider T
Billing Load Per Month:				
Curtailable Load				
Billing kW	39.4	39.3		
kWh Per Month	19,920	19,920		
On-Peak kWh		10,700		
Off-Peak kWh		9,220		
Power Factor	85	85		
<u>Energy Charge:</u>				
0 - 200 kWh/kW	7,880	7,860	\$685	\$683
201 - 400 kWh/kW	7,880	7,860	\$594	\$593
>400 kWh/kW	4,160	4,200	\$271	\$274
Subtotal	19,920	19,920	\$1,550	\$1,550
On-Peak Surcharge		10,700		\$214
Off-Peak Credit		9,220		(\$277)
Rider T Energy Charge Adjustment		19,920		(\$63)
<u>Demand Charge:</u>				
Total kWb	39.4	39.3	\$227	\$226
Customer Charge			\$60	\$60
Time-of-Day Metering Charge				\$10
Primary Voltage Service Discount			\$0	\$0
Power Factor Adjustment			\$0	\$0
Total Base Revenue Per Month			\$1,837	\$1,783
Fuel Oil Adjustment			\$0	\$0
Rate Adjustment (AES Refund)			\$0	\$0
IRP Adjustment			\$0	\$0
DSM Adjustment			\$0	\$0
Total Revenue Per Month			\$1,837	\$1,783
Total Revenue Per Year (\$000s)			\$22.0	\$21.4
Rider Adjustment (\$000s/Yr)				(\$0.6)

HAWAIIAN ELECTRIC COMPANY, INC.
Docket No. 2006-0386, Test-Year 2007
SCHEDULE H - COMMERCIAL COOKING, HEATING, AIR
CONDITIONING AND REFRIGERATION SERVICE

ESTIMATE OF TEST YEAR REVENUES

<u>PRESENT RATES</u>						
	<u>BILLING UNITS</u>	<u>UNIT PRICE</u>	<u>REVENUES \$1000S</u>	<u>DIRECT TESTIMONY</u>	<u>REVENUE IMPACT</u>	
	<u>MWH</u>	<u>c/kWh</u>				(Update - Direct)
<u>ENERGY CHARGE:</u>	40,500	7.7422	\$3,135.6			
	<u>kW</u>	<u>\$/kW</u>				
<u>DEMAND CHARGE:</u>	74,222	9.00	\$668.0			
<u>CUSTOMER CHARGE:</u>	<u>BILLS</u>	<u>\$/month</u>				
1 PHASE	2,721	20.00	\$54.4			
3 PHASE	6,231	45.00	\$280.4			
SUBTOTAL	8,952		\$334.8			
ADJUSTMENTS		<u>Rate</u>				
FUEL OIL ADJUSTMENT:		7.331 c/KWH	\$2,969.1	\$2,956.1	\$13.0	
RATE ADJUSTMENT (AES REFUND):		(0.406) (%)	(\$16.8)			
MISCELLANEOUS **			\$0.0			
TOTAL REVENUES			\$7,090.7	\$7,077.7	\$13.0	
INTERIM RATE INCREASE REVENUES			\$276.4			
INTERIM SURCHARGE REVENUES			\$18.7			
TOTAL REVENUE AT CURRENT EFFECTIVE RATES			\$7,385.8	\$7,354.1	\$31.7	

** INCLUDES Schedule E Adjustment.

HAWAIIAN ELECTRIC COMPANY, INC.
Docket No. 2006-0386, Test-Year 2007
SCHEDULE H - COMMERCIAL COOKING, HEATING, AIR
CONDITIONING AND REFRIGERATION SERVICE

ESTIMATE OF TEST YEAR REVENUES

<u>PRESENT RATES</u>						
	<u>BILLING UNITS</u>	<u>UNIT PRICE</u>	<u>REVENUES \$1000S</u>	<u>DIRECT TESTIMONY</u>	<u>REVENUE IMPACT</u>	
	<u>MWH</u>	<u>c/kWh</u>				(Update - Direct)
<u>ENERGY CHARGE:</u>	40,500	7.7422	\$3,135.6			
	<u>KW</u>	<u>\$/kW</u>				
<u>DEMAND CHARGE:</u>	74,222	9.00	\$668.0			
<u>CUSTOMER CHARGE:</u>	<u>BILLS</u>	<u>\$/month</u>				
1 PHASE	2,721	20.00	\$54.4			
3 PHASE	6,231	45.00	\$280.4			
SUBTOTAL	8,952		\$334.8			
SCHEDULE E ADJUSTMENT			\$0.0			
TOTAL BASE REVENUE			\$4,138.4			
ADJUSTMENTS		<u>Rate</u>				
FUEL OIL ADJUSTMENT:	7.331	c/KWH	\$2,969.1	\$2,956.1	\$13.0	
RATE ADJUSTMENT (AES REFUND):	(0.406)	(%)	(\$16.8)			
UNADJUSTED TOTAL REVENUE			\$7,090.7	\$7,077.7	\$13.0	
RIDER ADJUSTMENTS			\$0.0			
TOTAL REVENUES			\$7,090.7	\$7,077.7	\$13.0	
INTERIM RATE INCREASE REVENUES			\$276.4			
INTERIM SURCHARGE REVENUES			\$18.7			
TOTAL REVENUE AT CURRENT EFFECTIVE RATES			\$7,385.8	\$7,354.1	\$31.7	

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HAWAIIAN ELECTRIC COMPANY, INC.
SCHEDULE PS - LARGE POWER SECONDARY VOLTAGE SERVICE
DOCKET NO. 2006-0386 TEST-YEAR: 2007

ESTIMATE OF TEST YEAR REVENUES

<u>PRESENT RATES</u>				<u>DIRECT TESTIMONY</u>	<u>REVENUE IMPACT</u> (Update - Direct)
	<u>BILLING UNITS</u>	<u>UNIT PRICE</u>	<u>REVENUES \$1000S</u>		
<u>ENERGY CHARGE:</u>	<u>(MWH)</u>	<u>c/kWh</u>			
0 - 200 KWH/KW	366,774	7.2087	\$26,439.6		
201 - 400 KWH/KW	338,271	6.4104	\$21,684.5		
> 400 KWH/KW	130,812	6.1010	\$7,980.8		
SUBTOTAL	835,857		\$56,104.9		
<u>DEMAND CHARGE:</u>	<u>(kW)</u>	<u>\$/kW</u>			
0 - 500 KW	1,034,937	10.00	\$10,349.4		
501 - 1500 KW	479,646	9.50	\$4,556.6		
> 1500 KW	367,120	8.50	\$3,120.5		
SUBTOTAL	1,881,703		\$18,026.5		
	<u>BILLS</u>	<u>\$/month</u>			
<u>CUSTOMER CHARGE:</u>	2,303	320.00	\$737.0		
<u>ADJUSTMENTS:</u>					
MISCELLANEOUS **			(\$511.0)	(\$516.2)	\$5.2
Fuel Oil Adjustment	c/kWh	7.331	\$61,276.7	\$61,009.2	\$267.5
Rate Adjustment (AES Refund)	%	-0.406%	(\$301.9)		
TOTAL REVENUE			\$135,332.2	\$135,059.5	\$272.7
INTERIM RATE INCREASE REVENUES			\$5,688.3	\$5,687.9	\$0.4
INTERIM SURCHARGE REVENUES			\$386.7		
TOTAL REVENUE AT CURRENT EFFECTIVE RATES			\$141,407.2	\$140,747.4	\$659.8

** INCLUDES Schedule E Adj., Power Factor Adj., Network Adj., and Rider Adjustments.

HAWAIIAN ELECTRIC COMPANY, INC.
SCHEDULE PS - LARGE POWER SECONDARY VOLTAGE SERVICE
DOCKET NO. 2006-0386 TEST-YEAR: 2007

ESTIMATE OF TEST YEAR REVENUES

<u>PRESENT RATES</u>				<u>DIRECT TESTIMONY</u>	<u>REVENUE IMPACT</u> (Update - Direct)
	<u>BILLING UNITS</u>	<u>UNIT PRICE</u>	<u>REVENUES \$1000S</u>		
<u>ENERGY CHARGE:</u>	<u>(MWH)</u>	<u>c/kWh</u>			
0 - 200 KWH/KW	366,774	7.2087	\$26,439.6		
201 - 400 KWH/KW	338,271	6.4104	\$21,684.5		
> 400 KWH/KW	130,812	6.1010	\$7,980.8		
SUBTOTAL	835,857		\$56,104.9		
<u>DEMAND CHARGE:</u>	<u>(kW)</u>	<u>\$/kW</u>			
0 - 500 KW	1,034,937	10.00	\$10,349.4		
501 - 1500 KW	479,646	9.50	\$4,556.6		
> 1500 KW	367,120	8.50	\$3,120.5		
SUBTOTAL	1,881,703		\$18,026.5		
	<u>BILLS</u>	<u>\$/month</u>			
<u>CUSTOMER CHARGE:</u>	2,303	320.00	\$737.0		
<u>ADJUSTMENTS:</u>					
POWER FACTOR ADJ.			(\$593.1)		
NETWORK ADJ.			\$127.0		
Schedule E Adjustment			\$0.0		
SUBTOTAL			(\$466.1)		
UNADJUSTED BASE REVENUE			\$74,402.3		
RATE RIDER & OTHER REVENUE ADJ.					
RIDER M (B)			(\$43.2)	(\$48.4)	\$5.2
RIDER I			\$0.0		
RIDER T			(\$1.7)		
RULE 4 CHP CONTRACTS ADJ.			\$0.0		
Total Rate Rider & Other Revenue Adjustments			(\$44.9)	(\$50.1)	\$5.2
TOTAL BASE REVENUE			\$74,357.4	\$74,352.2	\$5.2
Fuel Oil Adjustment	c/kWh	7.331	\$61,276.7	\$61,009.2	\$267.5
Rate Adjustment (AES Refund)	%	-0.406%	(\$301.9)		
TOTAL REVENUE			\$135,332.2	\$135,059.5	\$272.7
INTERIM RATE INCREASE REVENUES			\$5,688.3	\$5,687.9	\$0.4
INTERIM SURCHARGE REVENUES			\$386.7		
TOTAL REVENUE AT CURRENT EFFECTIVE RATES			\$141,407.2	\$140,747.4	\$659.8

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HAWAIIAN ELECTRIC COMPANY, INC.
SCHEDULE PS - LARGE POWER SECONDARY VOLTAGE SERVICE
DOCKET NO. 2006-0386 TEST-YEAR: 2007

SUMMARY OF TEST-YEAR REVENUES ADJUSTMENTS
FOR RIDER SERVICE AT PRESENT RATES

<u>RIDER M(B)</u>	<u>PRESENT</u> <u>(\$1000s)</u>	<u>DIRECT</u> <u>TESTIMONY</u>
Rider Mb PS1	(\$1.7)	
Rider Mb PS2	(\$16.2)	
Rider Mb PS3	\$0.0	(\$5.2) CA-IR-193
Rider Mb PS4	(\$25.3)	
TOTAL	(\$43.2)	(\$48.4)

<u>RIDER I</u>	<u>PRESENT</u> <u>(\$1000s)</u>
TOTAL	\$0.0

<u>RIDER T</u>	<u>PRESENT</u> <u>(\$1000s)</u>
Rider T PS1	(\$1.7)
TOTAL	(\$1.7)

<u>RULE 4 CHP CUSTOMERS</u>	<u>PRESENT</u> <u>(\$1000s)</u>
TOTAL	\$0.0

Rider Customer Transferred to Schedule J. See Schedule J Rider Mb J14.

Hawaiian Electric Company, Inc.
Schedule PS - Large Power Secondary Voltage Service
DOCKET NO. 2006-0386 TEST-YEAR: 2007

Rider Mb PS3

Changed Rates Schedules. See Sch J Rider Mb J14

<u>Billing Units</u>		<u>Revenues @ Present Rates</u>	
Sch. PS	Rider M(b)	Sch. PS	Rider M(b)
Billing Load Per Month:			
Curtailable Load	47.6		
Billing kW	877.2		
kWh Per Month	400,480		
On-Peak kWh	0		
Off-Peak kWh	0		
Power Factor	81		
kVarhr Per Month	286,380		
<u>Energy Charge:</u>			
0 - 200 kWh/kW	175,440	168,300	\$12,647
201 - 400 kWh/kW	175,440	168,300	\$11,246
>400 kWh/kW	49,600	63,880	\$3,026
Subtotal	400,480	400,480	\$26,919
On-Peak Surcharge	0		\$0
Off-Peak Credit	0		\$0
Rider T Energy Charge Adjustment	0		\$0
<u>Demand Charge:</u>			
0 - 500 kWb	500.0	500.0	\$5,000
501 - 1500 kWb	377.2	341.5	\$3,583
>1500 kWb	0.0	0.0	\$0
Subtotal	877.2	841.5	\$8,583
Customer Charge		\$320	\$320
Time-of-Day Metering Charge			\$10
Power Factor Adjustment		\$142	\$140
kVarhr Charge		\$0	\$0
Total Base Revenue Per Month		\$35,964	\$35,532
Fuel Oil Adjustment		\$0	\$0
Rate Adjustment (AES Refund)		\$0	\$0
IRP Adjustment		\$0	\$0
DSM Adjustment		\$0	\$0
Total Revenue Per Month		\$35,964	\$35,532
Total Revenue Per Year (\$000s)		\$431.6	\$426.4
Rider Adjustment (\$000s/Yr)			(\$5.2)

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HAWAIIAN ELECTRIC COMPANY, INC.
SCHEDULE PP - LARGE POWER PRIMARY VOLTAGE SERVICE
DOCKET NO. 04-0113 TEST-YEAR: 2005

ESTIMATE OF TEST YEAR REVENUES

<u>PRESENT RATES</u>					
	<u>BILLING UNITS</u>	<u>UNIT PRICE</u>	<u>REVENUES \$1000S</u>	<u>DIRECT TESTIMONY</u>	<u>REVENUE IMPACT</u>
					(Update - Direct)
<u>ENERGY CHARGE:</u>	<u>(MWH)</u>	<u>c/kWh</u>			
0 - 200 KWH/KW	797,782	7.0715	\$56,415.2		
201 - 400 KWH/KW	744,994	6.2884	\$46,848.2		
> 400 KWH/KW	519,207	5.9849	\$31,074.0		
SUBTOTAL	2,061,983		\$134,337.4		
<u>DEMAND CHARGE:</u>	<u>(kW)</u>	<u>\$/kW</u>			
0 - 500 KW	924,187	9.81	\$9,066.3		
501 - 1500 KW	899,626	9.32	\$8,384.5		
> 1500 KW	2,339,193	8.34	\$19,508.9		
SUBTOTAL	4,163,006		\$36,959.7		
	<u>BILLS</u>	<u>\$/month</u>			
<u>CUSTOMER CHARGE:</u>	1,946	320.00	\$622.7		
<u>ADJUSTMENTS:</u>	<u>(MWH)</u>	<u>c/kWh</u>			
MISCELLANEOUS **			(\$2,784.3)	(\$2,633.2)	(\$151.1)
Fuel Oil Adjustment	c/kWh	7.331	\$151,164.0	\$150,504.1	\$659.9
Rate Adjustment (AES Refund)	%	-0.406%	(\$686.7)	(\$687.3)	\$0.6
TOTAL REVENUE			\$319,612.8	\$319,103.4	\$509.4
INTERIM RATE INCREASE REVENUES			\$11,907.1	\$11,917.8	(\$10.7)
INTERIM SURCHARGE REVENUES			\$954.0		\$954.0
TOTAL REVENUE AT CURRENT EFFECTIVE RATES			\$332,473.9	\$331,021.2	\$1,452.7

** INCLUDES Schedule E Adj., Power Factor Adj., Secondary Metering Adj., and Rider Adjustments.

HAWAIIAN ELECTRIC COMPANY, INC.
SCHEDULE PP - LARGE POWER PRIMARY VOLTAGE SERVICE
DOCKET NO. 2006-0386 TEST-YEAR: 2007

ESTIMATE OF TEST YEAR REVENUES

<u>PRESENT RATES</u>				
	<u>BILLING</u> <u>UNITS</u>	<u>UNIT PRICE</u>	<u>REVENUES</u> <u>\$1000S</u>	<u>DIRECT</u> <u>TESTIMONY</u>
<u>ENERGY CHARGE:</u>	<u>(MWH)</u>	<u>c/kWh</u>		
0 - 200 KWH/KW	797,782	7.0715	\$56,415.2	
201 - 400 KWH/KW	744,994	6.2884	\$46,848.2	
> 400 KWH/KW	519,207	5.9849	\$31,074.0	
SUBTOTAL	2,061,983		\$134,337.4	
<u>DEMAND CHARGE:</u>	<u>(kW)</u>	<u>\$/kW</u>		
0 - 500 KW	924,187	9.81	\$9,066.3	
501 - 1500 KW	899,626	9.32	\$8,384.5	
> 1500 KW	2,339,193	8.34	\$19,508.9	
SUBTOTAL	4,163,006		\$36,959.7	
	<u>BILLS</u>	<u>\$/month</u>		
<u>CUSTOMER CHARGE:</u>	1,946	320.00	\$622.7	
<u>ADJUSTMENTS:</u>	<u>(MWH)</u>	<u>c/kWh</u>		
POWER FACTOR ADJ.			(\$1,713.0)	
SECONDARY METERING ADJ.	21,511	0.1081	\$23.3	
Schedule E Adjustment			\$0.0	
SUBTOTAL			(\$1,689.7)	
UNADJUSTED BASE REVENUE			\$170,230.1	
RATE RIDER & OTHER REVENUE ADJ.				
RIDER M (B)			(\$908.9)	(\$757.8)
RIDER I			(\$112.9)	
MULTIPLE RIDERS			(\$72.8)	
Total Rate Rider & Other Revenue Adjustments			(\$1,094.6)	(\$943.5)
Total Base Revenue			\$169,135.5	\$169,286.6
Fuel Oil Adjustment	c/kWh	7.331	\$151,164.0	\$150,504.1
Rate Adjustment (AES Refund)	%	-0.406%	(\$686.7)	\$687.3
TOTAL REVENUE			\$319,612.8	\$319,103.4
INTERIM RATE INCREASE REVENUES			\$11,907.1	\$11,917.8
INTERIM SURCHARGE REVENUES			\$954.0	
TOTAL REVENUE AT CURRENT EFFECTIVE RATES			\$332,473.9	\$331,021.2

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HAWAIIAN ELECTRIC COMPANY, INC.
SCHEDULE PP - LARGE POWER PRIMARY VOLTAGE SERVICE
BASED ON DOCKET NO. 2006-0386 TEST-YEAR: 2007

SUMMARY OF TEST-YEAR REVENUES ADJUSTMENTS
FOR RIDER SERVICE

<u>RIDER M(B)</u>	<u>PRESENT</u> <u>(\$1000s)</u>	<u>DIRECT</u> <u>TESTIMONY</u>
Rider Mb PP1	(\$13.6)	
Rider Mb PP2	(\$0.4)	
Rider Mb PP3	(\$3.5)	
Rider Mb PP4	\$0.0	(\$453.3) CA-IR-50
Rider Mb PP5	(\$66.0)	
Rider Mb PP6	(\$35.1)	
Rider Mb PP7	(\$92.9)	
Rider Mb PP8	<u>(\$93.0)</u>	
 TOTAL	 (\$304.5)	 (\$757.8)

<u>RIDER I</u>	<u>PRESENT</u> <u>(\$1000s)</u>
Rider I PP1	(\$31.7)
Rider I PP2	<u>(\$81.2)</u>
TOTAL	(\$112.9)

<u>MULTIPLE RIDERS</u>	<u>PRESENT</u> <u>(\$1000s)</u>
RiderMult PP1	(\$1.3)
RiderMult PP2	<u>(\$71.5)</u>
TOTAL	(\$72.8)

Hawaiian Electric Company, Inc.
Schedule PP - Large Power Primary Voltage Service
Based On Docket No. 2006-0386 Test Year: 2007

RIDER I

	<u>Billing Units</u>		<u>Revenues @ Present Rates</u>		<u>DIRECT TESTIMONY</u>	
	Sch. PP3	Rider M(b)	Sch. PP3	Rider M(b)	Sch. PP3	Rider M(b)
Billing Load Per Month:						
Curtailable Load		6,120.0				
Billing kW	57,399.0	52,809.0				
kWh Per Month	31,902,000	31,902,000			kWh Per Month	0 0
On-Peak kWh		0				
Off-Peak kWh		0				
Power Factor	98	98				
kVarhr Per Month	7,406,000	7,406,000				
<u>Energy Charge:</u>						
0 - 200 kWh/kW	11,479,800	10,561,800	\$811,794	\$746,878	\$0	\$0
201 - 400 kWh/kW	11,479,800	10,561,800	\$721,896	\$664,168	\$0	\$0
>400 kWh/kW	8,942,400	10,778,400	\$535,194	\$645,076	\$0	\$0
Subtotal	31,902,000	31,902,000	\$2,068,884	\$2,056,122	\$0	\$0
On-Peak Surcharge		0		\$0		
Off-Peak Credit		0		\$0		
Rider T Energy Charge Adjustment		0		\$0		
<u>Demand Charge:</u>						
0 - 500 kWb	500.0	500.0	\$4,905	\$4,905		
501 - 1500 kWb	1,000.0	1,000.0	\$9,320	\$9,320		
>1500 kWb	55,899.0	51,309.0	\$466,198	\$427,917		
Subtotal	57,399.0	52,809.0	\$480,423	\$442,142		
Customer Charge			\$320	\$320		
Time-of-Day Metering Charge				\$10		
Power Factor Adjustment			(\$33,141)	(\$32,477)	(\$6,245)	(\$5,748)
kVarhr Charge			\$0	\$0		
Total Base Revenue Per Month			\$2,516,486	\$2,466,117	\$474,498	\$436,724
Fuel Oil Adjustment			\$0	\$0		
Rate Adjustment (AES Refund)			\$0	\$0		
IRP Adjustment			\$0	\$0		
DSM Adjustment			\$0	\$0		
Total Revenue Per Month			\$2,516,486	\$2,466,117	\$474,498	\$436,724
Total Revenue Per Year (\$000s)			\$30,197.8	\$29,593.4	\$5,694.0	\$5,240.7
Rider Adjustment (\$000s/Yr)				(\$604.4)		(\$453.3)

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HAWAIIAN ELECTRIC COMPANY, INC.
SCHEDULE PT - LARGE POWER TRANSMISSION VOLTAGE SERVICE
DOCKET NO. 2006-0386 TEST-YEAR: 2007

ESTIMATE OF TEST-YEAR REVENUES

<u>PRESENT RATES</u>					
	<u>BILLING UNITS</u>	<u>UNIT PRICE</u>	<u>REVENUES \$1000S</u>	<u>DIRECT TESTIMONY</u>	<u>REVENUE IMPACT</u>
					(Update - Direct)
<u>ENERGY CHARGE:</u>	<u>(MWH)</u>	<u>c/kWH</u>			
0 - 200 KWH/KW	55,137	6.9708	\$3,843.5		
201 - 400 KWH/KW	52,510	6.1989	\$3,255.0		
> 400 KWH/KW	<u>67,514</u>	5.8997	<u>\$3,983.1</u>		
SUBTOTAL	175,161		\$11,081.6		
<u>DEMAND CHARGE:</u>	<u>(kW)</u>	<u>\$/kW</u>			
0 - 500 KW	22,748	9.67	\$220.0		
501 - 1500 KW	39,496	9.19	\$363.0		
> 1500 KW	<u>222,107</u>	8.22	<u>\$1,825.7</u>		
SUBTOTAL	284,351		\$2,408.7		
	<u>BILLS</u>	<u>\$/month</u>			
<u>CUSTOMER CHARGE:</u>	47	320.00	\$15.0		
<u>ADJUSTMENTS:</u>					
MISCELLANEOUS **			(\$188.9)		
Fuel Oil Adjustment	c/kWH	-	\$12,841.1	\$12,785.0	\$56.1
Rate Adjustment (AES Refund):	%	0.000%	<u>(\$54.1)</u>		
TOTAL REVENUES			\$26,103.4	\$26,047.3	\$56.1
INTERIM RATE INCREASE REVENUES			\$0.0	\$0.0	\$0.0
INTERIM SURCHARGE REVENUES			\$81.0		
TOTAL REVENUE AT CURRENT EFFECTIVE RATES			\$26,184.4	\$26,047.3	\$137.1

** INCLUDES Schedule E Adj., Power Factor Adj., Secondary Metering Adj.

HAWAIIAN ELECTRIC COMPANY, INC.
SCHEDULE PT - LARGE POWER TRANSMISSION VOLTAGE SERVICE
DOCKET NO. 2006-0386 TEST-YEAR: 2007

ESTIMATE OF TEST-YEAR REVENUES

<u>PRESENT RATES</u>					
	<u>BILLING UNITS</u>	<u>UNIT PRICE</u>	<u>REVENUES \$1000S</u>	<u>DIRECT TESTIMONY</u>	<u>REVENUE IMPACT</u>
					(Update - Direct)
<u>ENERGY CHARGE:</u>	<u>(MWH)</u>	<u>c/kWH</u>			
0 - 200 KWH/KW	55,137	6.9708	\$3,843.5		
201 - 400 KWH/KW	52,510	6.1989	\$3,255.0		
> 400 KWH/KW	<u>67,514</u>	<u>5.8997</u>	<u>\$3,983.1</u>		
SUBTOTAL	175,161		\$11,081.6		
<u>DEMAND CHARGE:</u>	<u>(kW)</u>	<u>\$/kW</u>			
0 - 500 KW	22,748	9.67	\$220.0		
501 - 1500 KW	39,496	9.19	\$363.0		
> 1500 KW	<u>222,107</u>	<u>8.22</u>	<u>\$1,825.7</u>		
SUBTOTAL	284,351		\$2,408.7		
	<u>BILLS</u>	<u>\$/month</u>			
<u>CUSTOMER CHARGE:</u>	47	320.00	\$15.0		
<u>ADJUSTMENTS:</u>					
POWER FACTOR ADJ.			(\$188.9)		
SECONDARY METERING ADJ.			\$0.0		
Schedule E Adjustment			\$0.0		
SUBTOTAL			<u>(\$188.9)</u>		
UNADJUSTED BASE REVENUE			\$13,316.4		
Fuel Oil Adjustment	c/kWH	7.331	\$12,841.1	\$12,785.0	\$56.1
Rate Adjustment (AES Refund):	%	-0.406%	<u>(\$54.1)</u>		
UNADJUSTED TOTAL REVENUE			\$26,103.4	\$26,047.3	\$56.1
RATE RIDER & OTHER REVENUE ADJ.					
RIDER M (B)			\$0.0		
RIDER I			\$0.0		
RIDER T			\$0.0		
MULTIPLE RIDERS			\$0.0		
RIDER EDR			\$0.0		
SCHEDULE CHP			\$0.0		
Total Rate Rider & Other Revenue Adjustments			<u>\$0.0</u>		
TOTAL REVENUES			\$26,103.4	\$26,047.3	\$56.1
INTERIM RATE INCREASE REVENUES			\$0.0	\$0.0	
INTERIM SURCHARGE REVENUES			\$81.0		
TOTAL REVENUE AT CURRENT EFFECTIVE RATES			<u>\$26,184.4</u>	<u>\$26,047.3</u>	\$137.1

HAWAIIAN ELECTRIC COMPANY, INC.
Docket No. 2006-0386, Test-Year 2007
SCHEDULE F - PUBLIC STREET LIGHTING SERVICE
HIGHWAY LIGHTING, & PARK & PLAYGROUND FLOODLIGHTING

ESTIMATE OF TEST-YEAR REVENUES

	BILLING UNITS	UNIT PRICE	<u>PRESENT RATES</u>		
			REVENUES \$1000S	DIRECT TESTIMONY	REVENUE IMPACT (Update - Direct)
<u>CUSTOMER CHARGE:</u>	<u>Bills</u>	<u>\$/month</u>			
Customers	5,244	0.00	\$0.0		
<u>ENERGY CHARGE:</u>	<u>MWH</u>	<u>c/kWh</u>			
0 - 150 KWH/KW	17,464	12.7049	\$2,218.8		
> 150 KWH/KW	20,336	8.7309	\$1,775.5		
SUBTOTAL	37,800		\$3,994.3		
<u>ADJUSTMENTS:</u>					
MISCELLANEOUS **			\$14.4		
FUEL OIL ADJUSTMENT:		7.331 c/kWh	\$2,771.1	\$2,759.0	\$12.1
RATE ADJUSTMENT (AES REFUND):		(0.406) (%)	(\$16.3)		
TOTAL REVENUES			\$6,763.5	\$6,751.4	\$12.1
INTERIM RATE INCREASE REVENUES			\$374.0	\$374.0	\$0.0
INTERIM SURCHARGE REVENUES			\$17.5		
TOTAL REVENUE AT CURRENT EFFECTIVE RATES			\$7,155.0	\$7,125.4	\$29.6

** INCLUDES Schedule E Adj., Minimum Bill Adj., Secondary Metering Adj.

HAWAIIAN ELECTRIC COMPANY, INC.
Docket No. 2006-0386, Test-Year 2007
SCHEDULE F - PUBLIC STREET LIGHTING SERVICE
HIGHWAY LIGHTING, & PARK & PLAYGROUND FLOODLIGHTING

ESTIMATE OF TEST-YEAR REVENUES

<u>PRESENT RATES</u>					
	<u>BILLING UNITS</u>	<u>UNIT PRICE</u>	<u>REVENUES \$1000S</u>	<u>DIRECT TESTIMONY</u>	<u>REVENUE IMPACT</u> (Update - Direct)
<u>CUSTOMER CHARGE:</u>	<u>Bills</u>	<u>\$/month</u>			
Customers	5,244	0.00	\$0.0		
<u>ENERGY CHARGE:</u>	<u>MWH</u>	<u>c/kWh</u>			
0 - 150 KWH/KW	17,464	12.7049	\$2,218.8		
> 150 KWH/KW	20,336	8.7309	\$1,775.5		
SUBTOTAL	37,800		\$3,994.3		
<u>ADJUSTMENTS:</u>					
MINIMUM BILL			\$0.7		
SCHEDULE E ADJUSTMENT			\$0.0		
SECONDARY METERING ADJUSTMENT:			\$13.7		
SUBTOTAL			\$14.4		
<u>UNADJUSTED BASE REVENUE:</u>			\$4,008.7	\$4,008.7	\$0.0
FUEL OIL ADJUSTMENT:		7.331 c/kWh	\$2,771.1	\$2,759.0	\$12.1
RATE ADJUSTMENT (AES REFUND):		(0.406) (%)	(\$16.3)		
<u>UNADJUSTED TOTAL REVENUE</u>			\$6,763.5	\$6,751.4	\$12.1
RIDER ADJUSTMENTS			\$0.0		
TOTAL REVENUES			\$6,763.5	\$6,751.4	\$12.1

Administrative and General (A&G) Expenses

The updated A&G expenses for test year 2007 are \$75,976,000. See Attachment 1.

Explanations for changes from the direct testimony filing by Account No. are discussed below.

Account No. 920 A&G Expense

For Account No. 920, labor is decreased by \$55,000 as a result of the Engineering Retention Program discussed in the responses to CA-IR-69 and CA-IR-297 and the retirement of the Vice President- Special Projects.

- The Engineering Retention Program is estimated to increase labor costs by \$286,300. Most of the positions included in the Engineering Retention Program normally charge the respective process area's clearing account, and only a portion would be included in O&M expense in a particular year.¹ To determine the O&M expense impact of the Engineering Retention Program for the test year, an estimate of the portion of each process area's charges to clearing that is included in O&M expense was determined. The estimate was

¹ The portion that would be included as part of a capital project, that would then be part of the depreciation expense over the life of the capital project is not factored in this calculation.

based on the RAs/positions that are included in the Engineering Retention Program as detailed in Exhibit 1 of the response to CA-IR-297. Based on the estimated portion of clearing charges for the respective process areas that is included in O&M expenses, approximately \$127,200 of the retention program labor costs would be included in O&M expenses. See Attachment 2 for the distribution of the estimated increased labor cost to A&G of \$3,400.

- Labor costs were decreased by \$58,000 to reflect the retirement of the Vice President-Special Projects. See Attachment 1, page 5 of 5.

Non-labor costs are reduced by \$175,000 to reflect the reduction of the following:

- Hookina awards program as discussed in response to CA-IR-69. Amount included in Account 920 was \$114,000 as shown on HECO-WP-101(G), page 947 \$114,000
 - Restricted stock for the President of HECO that was inadvertently not removed from the test year estimates (CA-IR-43 and CA-IR-376) \$ 52,000
 - Restricted stock for the Senior Vice President, Energy Solutions that was inadvertently not removed from the test year estimates (CA-IR-43 and CA-IR-376) \$ 9,000
- \$175,000

The total adjustment to Account No. 920 is a decrease of \$230,000.

Account No. 921 A&G Expense – Non-labor

The revised test year estimate for Account No. 921 is \$13,030,000, an increase of \$299,000, for the following items:

- Increase in UNIX migration costs as discussed in the response to CA-IR-133 \$ 481,000
- Reduction in costs for AXIS/Strategizer implementation as discussed in the response to CA-IR-135. The difference of \$95,000 stated in the response to CA-IR-135, part a. was determined based on \$271,000 of estimated costs. However the amount originally included in the test year forecast for these costs was \$300,000 (an increase of \$271,000 over 2005 expenses), resulting in an adjustment of \$(124,000) to reflect the current estimate of \$176,000 (\$ 124,000)
- Reduction in consultant fees for VP-Corporate Excellence Office as discussed in the response to CA-IR-290 (\$ 50,000)

- Deletion of HR Suites amortization due to the delay in the in-service date of HR Suites as discussed in the response to CA-IR-295. (See HECO-1219)

(\$ 8,000)

\$ 299,000

Account No. 922 – Admin Expenses Transferred

The updated test year estimate for A&G expenses transferred has been increased by \$10,000 to reflect changes in the amount of A&G non-labor charges and changes related to the DSM charges. See Attachment 3 for an update to HECO-1011.

Account No. 925 – Injuries and Damages

The updated test year estimate for Account 925 is \$6,800,000 which is \$1,000 less than the amount in the direct testimony filing. The reduction is due to the deletion of the HR Suites amortization due to a delay in the in-service date of the HR Suites project as discussed in the response to CA-IR-295. (See HECO-1219).

Account No. 926000 - Employee Benefits

Account No. 926010 - Employee Benefits – Flex Credits

The updated test year estimate filed on June 15, 2007 is addressed by witness HECO T-12. HECO T-10, Attachment 1, page 2 of 5 reflects a subsequent decrease of \$6,000 to NARUC 926010 Non-Labor related to the retirement of the Vice President-Special Projects as discussed on page 1.

Account No. 926020 – Employee Benefits Transferred

The updated test year estimate for employee benefits transferred is \$10,399,000 as shown on Attachment 4. The updated estimate is \$72,000 less than the amount reflected in the direct testimony filing, due to changes in the employee benefits and labor changes addressed by other witnesses.

Account Nos. 928-932 – A&G Miscellaneous

The updated estimates for these accounts are addressed by witness HECO T-13.

Computer Software Development Costs

The updated amortization expense for 2007 for computer software development costs is \$158,000. The estimate has been revised due to delays in the implementation of the Outage Management System (OMS) project as discussed in the response to CA-IR-108 and CA-IR-110, and for the delay in the HR Suites project as discussed in the response to CA-IR-295. Only the OMS system will be implemented in 2007, and amortization of the deferred costs for only the OMS project will be reflected in the test year. (See also the updates by HECO T- 7 and HECO T-12.)

Similarly, the updated unamortized software development cost balance as of December 31, 2007 included only the OMS project. See Attachment 5.

Gain on Sales of Land

The estimated unamortized gain on sales of land balance as of December 31, 2007 is currently estimated at \$1,214,000. The increase in the unamortized balance is due to the revised closing date for the sale of the Aiea Park Place property. The sale is currently expected to occur in July 2007 (and amortization of the gain to begin in August 2007), compared to the assumption that the sale would occur in April 2007. The amortization of the gain has also been adjusted accordingly. See Attachment 6.

Proposed Pension and OPEB Tracking Mechanisms

HECO proposes to update its pension estimates to reflect a pension tracking mechanism, similar to the pension tracking mechanism that was agreed to by HELCO and the Consumer Advocate in the HELCO 2006 test year rate case (Docket No. 05-0315) and approved on an interim basis in Interim Decision and Order No. 23342 filed April 4, 2007. See Attachment 7 for a background and summary of the Proposed Pension Tracking Mechanism and Postretirement Benefits Other Than Pensions ("OPEB") Tracking Mechanism.

See Attachment 8 for the Proposed Pension Tracking Mechanism.

See Attachment 9 for the Proposed OPEB Tracking Mechanism.

See Attachment 10 for HECO-1021, the updated estimated pension asset balance as of December 31, 2007 (to reflect the revised net periodic pension cost addressed in the June

2007 Update of HECO T-12) and the estimated amortization amount of the pension asset balance.

See Attachment 11 for HECO-1022, the updated estimated OPEB balances. Note that the net of the OPEB balances does not impact the test year revenue requirements.

HAWAIIAN ELECTRIC COMPANY, INC.
TEST YEAR 2007 (\$1000S)

	<u>BUDGET</u>	<u>BUD ADJ</u>	<u>NORMAL- IZATIONS</u>	<u>2007 TEST YEAR</u>	<u>JUNE 2007 UPDATE</u>	<u>REVISED TEST YEAR</u>
ADMIN & GENL O & M EXPENSE						
ADMINISTRATIVE						
920 ADMIN & GENL EXP - LABR						
LABOR	16,090	(42)		16,048	(55)	15,993
NON-LABOR	2,210	(2,035)		175	(175)	0
TOTAL 920	18,300	(2,077)	0	16,223	(230)	15,993
921 ADMIN & GENL EXP - NLABR						
NON-LABOR	13,208	(477)		12,731	299	13,030
TOTAL 921	13,208	(477)	0	12,731	299	13,030
922 ADMIN EXPENSES TRANSFERRED						
NON-LABOR	(3,091)	(39)		(3,130)	(10)	(3,140)
TOTAL 922	(3,091)	(39)	0	(3,130)	(10)	(3,140)
 TOTAL ADMINISTRATIVE	 28,417	 (2,593)	 0	 25,824	 59	 25,883
OUTSIDE SERVICES						
923010 OUTSIDE SERVICES - LEGAL						
NON-LABOR	155	0		155		155
TOTAL 923020	155	0	0	155	0	155
923020 OUTSIDE SERVICES - OTHER						
NON-LABOR	1,165			1,165		1,165
TOTAL 923020	1,165	0	0	1,165	0	1,165
 TOTAL OS SVCS	 1,320	 0	 0	 1,320	 0	 1,320
 TOTAL 920-923 EXPENSE	 29,737	 (2,593)	 0	 27,144	 59	 27,203

HAWAIIAN ELECTRIC COMPANY, INC.
TEST YEAR 2007 (\$1000S)

	<u>BUDGET</u>	<u>BUD ADJ</u>	<u>NORMAL- IZATIONS</u>	<u>2007 TEST YEAR</u>	<u>JUNE 2007 UPDATE</u>	<u>REVISED TEST YEAR</u>
INSURANCE EXPENSE						
INSURANCE						
924 PROPERTY INSURANCE						
LABOR	199			199		199
NON-LABOR	2,740			2,740		2,740
TOTAL 924	2,939	0	0	2,939	0	2,939
925 INJURIES & DAMAGES						
LABOR	1,375			1,375		1,375
NON-LABOR	5,506	(19)	(61)	5,426	(1)	5,425
TOTAL 925	6,881	(19)	(61)	6,801	(1)	6,800
TOTAL INSURANCE	9,820	(19)	(61)	9,740	(1)	9,739
EMPLOYEE BENEFITS EXPENSE						
EMPLOYEE BENEFITS						
926000 EMPL PENSIONS AND BENEFITS						
LABOR	604			604		604
NON-LABOR	27,260	(457)	(19)	26,784	3,614	30,398
TOTAL 926000	27,864	(457)	(19)	27,388	3,614	31,002
926010 EMPL BENEFITS - FLEX CREDITS						
LABOR	283	(103)		180		180
NON-LABOR	10,401	138		10,539	30	10,569
TOTAL 926010	10,684	35	0	10,719	30	10,749
926020 EMPL BENEFITS TRANSFER						
NON-LABOR	(10,636)	165		(10,471)	72	(10,399)
TOTAL 926020	(10,636)	165	0	(10,471)	72	(10,399)
TOTAL EMP BEN	27,912	(257)	(19)	27,636	3,716	31,352

HAWAIIAN ELECTRIC COMPANY, INC.
TEST YEAR 2007 (\$1000S)

	<u>BUDGET</u>	<u>BUD ADJ</u>	<u>NORMAL- IZATIONS</u>	<u>2007 TEST YEAR</u>	<u>JUNE 2007 UPDATE</u>	<u>REVISED TEST YEAR</u>
MISCELLANEOUS						
OTHER ADMIN & GENL						
928 REGULATORY COMMISSION EXPENSES						
NON-LABOR	198	(198)	283	283	37	320
TOTAL 928	198	(198)	283	283	37	320
9301 INSTITUTN/GOODWILL ADVERT EXP						
LABOR	11			11	0	11
NON-LABOR	19			19	0	19
TOTAL 9301	30	0	0	30	0	30
9302 MISCELLANEOUS GENERAL EXPENSES						
LABOR	365	(5)		360	(1)	359
NON-LABOR	3,042	(87)		2,955	173	3,128
TOTAL 9302	3,407	(92)	0	3,315	172	3,487
931 RENTS EXPENSE						
NON-LABOR	3,019	(262)		2,757	24	2,781
TOTAL 932	3,019	(262)	0	2,757	24	2,781
932 ADMIN AND GENL MAINTENANCE						
LABOR	176		(20)	156		156
NON-LABOR	1,458	(150)	(362)	946	(38)	908
TOTAL 932	1,634	(150)	(382)	1,102	(38)	1,064
TOTAL MISCELLANEOUS	8,288	(702)	(99)	7,487	195	7,682
TOTAL ADMINISTRATIVE & GENERAL	<u>75,757</u>	<u>(3,571)</u>	<u>(179)</u>	<u>72,007</u>	<u>3,969</u>	<u>75,976</u>
ADMIN & GENL - TOTAL						
LABOR	19,103	(150)	(20)	18,933	(56)	18,877
NON-LABOR	56,654	(3,421)	(159)	53,074	4,025	57,099
TOTAL	<u>75,757</u>	<u>(3,571)</u>	<u>(179)</u>	<u>72,007</u>	<u>3,969</u>	<u>75,976</u>

Hawaiian Electric Company, Inc.
2007 TEST YEAR

ADMINISTRATIVE AND GENERAL EXPENSE ADJUSTMENTS

			2007				
RA	Activity	Exp Element	Test Year Forecast	6/07 Adjustment	Revised Test Year	Reference	
LABOR							
NARUC 920:							
	Engineering retention program		0	3	3	CA-IR-69	
	Retirement of Vice President-Special Projects		58	(58)	0	CA-IR-1	
			58	(55)	3		
NON-LABOR							
NARUC 920:							
	Suspension of Hookina Award	PPA 723 900	114	(114)	0	CA-IR-69	
	Restricted stock-President of HECO	P9P 700 901	52	(52)	0	CA-IR-43	
	Restricted stock-Senior VP-Energy Solutions	P9S 700 901	9	(9)	0	CA-IR-43	
			175	(175)	0		
NON-LABOR							
NARUC 921:							
	Increase in UNIX migration costs	P4V 891 462	354	234	588	CA-IR-133	
	Increase in UNIX migration costs	P4V 891 501	155	247	402	CA-IR-133	
	Reduction in Axis/Strategizer implementation costs	PVP 840 501	300	(124)	176	CA-IR-135	
	Reduction in Consultant fees	P6V 767 501	194	(50)	144	CA-IR-290	
	Delete HR Suites amortization	PFB 766 901	8	(8)	0	CA-IR-295	
			1,011	299	1,310		

Confidential Information Deleted
Pursuant to Amended Protective Order No. 23378

JUNE 2007 UPDATE
DOCKET NO. 2006-0386
HECO T-10
ATTACHMENT 1
PAGE 5 OF 5

Information on page 5 contains confidential salary information, and is
being provided subject to Amended Protective Order No. 23378, dated
June 4, 2007.

Hawaiian Electric Company, Inc.
HECO 2007 Test Year Rate Case
Docket No. 2006-0386
Engineering Retention Program
Impact to O&M Expense by Block of Account

	<u>2007</u>
Production Operations	15.1
Production Maintenance	50.2
Transmission Operations	8.4
Transmission Maintenance	1.2
Distribution Operations	35.2
Distribution Maintenance	5.0
Customer Accounts	8.7
Customer Service	0.0
A&G Operations	3.4
	<u>127.2</u>

Confidential Information Deleted
Pursuant to Amended Protective Order No. 23378

JUNE 2007 UPDATE
DOCKET NO. 2006-0386
HECO T-10
ATTACHMENT 2
PAGE 2-3 OF 3

Information on pages 2-3 contain confidential salary information, and is
being provided subject to Amended Protective Order No. 23378, dated
June 4, 2007.

HAWAIIAN ELECTRIC COMPANY, INC.
ADMINISTRATIVE EXPENSES TRANSFERRED
ACCOUNT 922

JUNE 2007 UPDATE
DOCKET NO. 2006-0386
HECO T-10
ATTACHMENT 3
PAGE 1 OF 2

HECO-1011
DOCKET NO. 2006-0386
PAGE 1 OF 2

2007
(000)

Cost Pool:

Labor		\$ 1,719	
Transfer Rate per updated KPMG study	X	<u>41%</u>	\$ 705
NPW			102
Payroll Taxes			58
Emp Ben			296
Nonlabor-Acct.-921		\$ 14,009	
Transfer Rate per updated KPMG study	X	<u>6%</u>	\$ 841
Capital Budgets Labor			142
NPW			17
Payroll Taxes			12
Emp Ben			49
	A		<u>\$ 2,221</u>

Cost Base:

Capital Labor Hours		383	
Clearings to Capital		<u>213</u>	
	B		<u>596</u>
Corporate Admin rate per hour	C = A + B		\$ 3.73
Total Productive hours	D X		<u>3,127</u>
Administrative Expenses Transferred - based on total productive hours	E = C X D		\$ 11,664
Reversal of Corporate Admin on-cost charged to O&M	F		<u>(8,573)</u>
Subtotal - Naruc 922	G = E + F		3,091

HAWAIIAN ELECTRIC COMPANY, INC.
ADMINISTRATIVE EXPENSES TRANSFERRED
ACCOUNT 922

JUNE 2007 UPDATE
DOCKET NO. 2006-0386
HECO T-10
ATTACHMENT 3
PAGE 2 OF 2

HECO-1011
DOCKET NO. 2006-0386
PAGE 2 OF 2

Subtotal from page 1 3,091

Administrative Expenses Transfer Adjustments and
Normalizations:

Budget adjustment HEI Charges	(414)		
Performance Incentive Compensation	(38)		
Abandoned Capital Project adjustment	5		
Human Resources Suite project adjustment	(30)		
	(477)		
Transfer Rate per updated KPMG study	X	6%	(29)

Adjustment: DSM to incremental 68

Administrative Expenses Transferred \$ 3,130

Administrative Expenses Transfer Update
Adjustments and Normalizations:
Increase UNIX migration costs

Increase UNIX migration costs	481		
Decrease Axis/Strategizer implementation costs	(124)		
Decrease consultant fees	(50)		
Remove HR/Suites amortization	(9)		
	298		
Transfer Rate per updated KPMG study	X	6%	18

Adjust DSM employees (transfer from
incremental to base) (8)

Administrative Expenses Transferred UPDATED \$ 3,140

Hawaiian Electric Company, Inc.
Unamortized System Development Costs
(\$ in thousands)

	Outage Management System
BALANCE - 12/31/06	0
Deferred Project cost	4,801
Amortization	(158)
ESTIMATED BALANCE - 12/31/07	4,642
AVERAGE 2007 BALANCE	2,321

NOTE: Totals may not add exactly due to rounding.

Hawaiian Electric Company, Inc.
Test Year 2007
Unamortized Gain on Sales of Land

Description	Docket No.	Decision and Order No.	Balance 12/31/2005	Additions	Amortize	Balance 12/31/2006	Additions	Amortize	Balance 12/31/2007
Gain on Sales:									
Aiea Park Place *	2006-0323						135,327	11,277	124,050
Palolo (1)	05-0280	22664		44,077	2,204	41,873		8,815	33,057
Queen Emma (2)	02-0098	19839	1,143,226		279,974	863,252		279,974	583,278
Iolani Court Plaza (3)	98-0170	16833	424,225	171,316	137,201	458,340		137,738	320,602
Waianae (4)	98-0314	16935		111,227	7,415	103,811		22,245	81,566
Kuliouou (5)	98-0314	16935	143,075		39,928	103,147		39,928	63,219
Utility Gain on Sales			1,710,526	326,619	466,722	1,570,423	135,327	499,977	1,205,773
Iolani Court Plaza Lease Premium (6)	2640	3921	14,987		3,622	11,366		3,500	7,865
Total Gain on Sales			1,725,513	326,619	470,344	1,581,789	135,327	503,477	1,213,639
Non-utility Gain on Sales **									
Aiea Park Place (Non-Utility) *	2006-0323						154,522	154,522	0
Waianae (Non-utility)	98-0314	16935		51,697	51,697	0			0
Total Non-utility Gain on Sales			0	51,697	51,697	0	154,522	154,522	0

- (1) Amortized to 41411000
- (2) Amortized to 41408000
- (3) Amortized to 41403000
- (4) Amortized to 41412000
- (5) Amortized to 41409000
- (6) Amortized to 45407100

* Assumptions and cost estimates as provided in Docket No. 2006-0323.
** Non-utility gain recognized entirely in month of sale to NARUC acct 422.

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BACKGROUND AND SUMMARY
PENSION AND OPEB TRACKING MECHANISMS

Pension Tracking Mechanism

In HELCO's 2005 rate case, Docket No. 05-0315, HELCO and the Consumer Advocate reached agreement on a pension tracking mechanism proposed by the Consumer Advocate. In that proceeding, Mr. Steven Carver presented the Consumer Advocate's proposed pension tracking mechanism in CA-T-3. Under the tracking mechanism, an amount for pension costs is identified and incorporated into rates in each rate case. Once new rates are effective, and until rates are changed in a subsequent rate case, the amount of pension cost in rates is separately tracked. The mechanism requires that HELCO make fund contributions at the actuarially calculated net periodic pension cost ("NPPC") as determined under generally accepted accounting principles subject to certain exceptions.¹ (Currently SFAS No. 87, "Employers' Accounting for Pensions", is the accounting guidance that addresses the calculation of the NPPC.) At each rate case, the cumulative amount of pension cost in rates since the last rate change is compared to the cumulative amount of contributions to the pension fund. This net amount is an addition (if the cumulative fund contributions exceed the cumulative amount in rates) or deduction (if the cumulative amount in rates exceeds the cumulative fund contributions) in the calculation of rate base. In the HELCO mechanism, the test year ending pension balance in rate base is amortized over five years beginning when new rates are effective. The pension tracking mechanism also allows HELCO to reverse the pension AOCI charge to equity and

¹ The pension funding is further restricted to the ERISA minimum and tax deductible maximum. When the NPPC is negative, there is no funding requirement.

create a regulatory asset for financial statement purposes. The pension cost in rates is the test year NPPC plus or minus the amortization of the ending pension amount in rate base. If cumulative contributions have exceeded the cumulative pension amount in rates (an addition to rate base), the amortization would be an addition to the NPPC (i.e., future rates will be relatively higher). If the cumulative pension amount in rates have exceeded cumulative contributions (a deduction in rate base), the amortization would be a deduction from the NPPC (i.e., future rates will be relatively lower). HELCO proposed certain modifications to the tracking mechanism proposed by the Consumer Advocate to allow HELCO greater flexibility for funding more than the NPPC for certain specified reasons. In addition, HELCO proposed language to clarify how the tracking mechanism will be implemented.

In the HELCO rate case, the Consumer Advocate indicated that it would propose the tracking mechanism for HELCO's affiliates. The Company agreed and therefore now proposes a similar pension tracking mechanism for HECO. In order to reduce the rate impact associated with the amortization of HECO's pension asset, HECO proposes, for the purposes of this rate case specifically, to amortize its pension asset over 10 years in this specific rate case (with no adjustment to the amount being amortized in any rate cases in the 10 year period) instead of the 5 year period used at HELCO. All other aspects of the tracking mechanism are the same as implemented at HELCO pursuant to HELCO's Interim Decision and Order No. 23342 dated April 4, 2007. HECO T-10 Updates, Attachment 8 further explains the proposed tracking mechanism. HECO T-10 Updates Attachment 10 (which is the updated Exhibit HECO-1021)

reflects the updated estimated pension asset balance and the estimated amortization amount of the pension asset balance for HECO.

The benefits of the pension tracking mechanism are: 1) it specifies agreement on the ratemaking treatment of pension costs and pension fund contributions thus reducing disputable items in rate cases, 2) it demonstrates rate support for the Company's pension plan and 3) it results in levelizing pension costs reported on the financial statements. The Company notes that the pension tracking mechanism does not apply retroactively and does not impact prior pension costs. The pension tracking mechanism applies prospectively from the date that the Commission issues an order which: 1) approves the adoption of the pension tracking mechanism and 2) establishes new rates that explicitly incorporate the provisions of the mechanism in the new rates. Until the pension tracking mechanism is adopted, the ratemaking treatment of pension costs is based on the past practices of this Commission which treat pension expense in generally the same manner as other expenses which do not have special ratemaking treatment. In contrast, for example, fuel, Integrated Resource Planning, and Demand Side Management expenses have special ratemaking treatment based on specific Commission orders. HECO's consistent ratemaking treatment of pension costs in the past and the prohibition against retroactive ratemaking of pension costs were discussed in HECO's 2005 test year rate case (Docket No. 04-0113) Opening Brief dated December 2, 2005 (pages 106 to 110) and Reply Brief of HECO dated December 19, 2005 (pages 5 to 6 and 14 to 16). Pension costs will not have special ratemaking treatment until the pension tracking mechanism is adopted by the Commission.

Postretirement Benefits Other Than Pensions ("OPEB") Tracking Mechanism

In Docket No. 05-0315, HELCO proposed a tracking mechanism for OPEB, which mirrored the pension tracking mechanism proposed by the Consumer Advocate. The parties also agreed that a similar OPEB tracking mechanism would be proposed for HELCO's affiliates in their next rate cases.

The OPEB tracking mechanism proposed for HECO is identical to the OPEB tracking mechanism agreed to by the Consumer Advocate and implemented at HELCO pursuant to HELCO's Interim Decision and Order No. 23342 dated April 4, 2007. The adoption of the OPEB tracking mechanism would not impact revenue requirements in this docket. However, the OPEB tracking mechanism specifies ratemaking treatment which allows financial statement treatment of benefit costs to be smoothed based on the amount of net periodic benefit costs ("NPBC") established in this rate case and addresses potential situations in the future where contributions to OPEB trusts are not equal to the NPBC recognized. Adoption of the OPEB tracking mechanism would also allow the Company to reverse the OPEB AOCI charge to equity and create a regulatory asset for financial statement purposes. The proposed OPEB tracking mechanism and comments further explaining the mechanism are provided at HECO T-10 Updates, Attachment 9. HECO T-10 Updates Attachment 11 (Updated HECO-1022) reflects the updated OPEB costs, however the proposed OPEB tracking mechanism does not impact the revenue requirements.

PROPOSED PENSION TRACKING MECHANISM

Purpose: The proposed pension tracking mechanism is designed to achieve the following objectives:

- A. Ensure that the pension costs recovered through rates are based on the FAS87 NPPC, as reported for financial reporting purposes;
- B. Ensure that all amounts contributed to the pension trust funds (subject to the exceptions in Item 3 below) are in an amount equal to actual NPPC and are recoverable through rates; and
- C. Clarify the future treatment of any charges that would otherwise be recorded to equity (e.g., increases/decreases to other comprehensive income) as required by FAS87, FAS158 or any other FASB statement or procedure relative to the recognition of pension costs and/or liabilities.

Procedure:

1. The amount of FAS87 NPPC included in rates shall be equal to the amount recognized for financial reporting purposes.
2. Except when limited by the ERISA minimum contributions requirements or the maximum contribution imposed by the IRC, or the contribution exceeds the NPPC for a reason provided in Item 3, the annual contribution to the pension trust fund will be equal to the amount of FAS87 NPPC.
3. The utility will be allowed to recover through rates the amount of any contributions to the pension trust in excess of the FAS87 NPPC that were made for the following reasons¹:
 - the minimum required contribution is greater than the FAS 87 NPPC,
 - the increased contribution was made to avoid a significant increase in Pension Benefit Guaranty Corporation (PBGC) variable premiums,
 - the increased contribution was made to avoid a charge to other comprehensive income, or

¹ The Company or the Consumer Advocate (jointly, the "Parties") may initiate discussions with the Parties and the Hawaii Public Utilities Commission to modify these provisions between rate cases (with Commission approval) if there are future changes in accounting standards, federal tax law or federal tax regulations that materially impact the costs otherwise recoverable through this tracking mechanism.

- the increased contribution was made to avoid: (i) higher minimum contribution requirements under the Pension Protection Act,² or (ii) other adverse funding requirements under federal pension regulations (provided funding does not exceed 100% of the PBO as a result). The recoverability of any discretionary contributions (as described under this bullet item) shall be subject to review in the Company's next rate case.

Any such "excess" contributions shall be recorded in a separate regulatory asset account, which will be included in rate base.

4. A regulatory asset (or liability) will be established on the Company's books to track the difference between the level of actual FAS87 NPPC during the rate effective period and the level of FAS87 NPPC included in rates during that same period.
 - The unamortized cumulative net ratepayer benefit of approximately \$50.5 million, as of December 2007, shall be included in rate base and amortized over a ten year period.
 - If the actual FAS87-determined NPPC recorded during a given rate-effective period is greater than the FAS87 NPPC included in rates during the immediately preceding rate case, the Company will establish a separate regulatory asset account to accumulate such difference, but only to the extent that such amount is not used to reduce a regulatory liability recorded pursuant to Item 5.
 - If the actual FAS87-determined NPPC recorded during the rate-effective period, adjusted for any amount of such expense used to reduce a regulatory liability maintained pursuant to Item 5, is less than the expense built into rates, the Company will establish a separate regulatory liability account to accumulate such difference.
 - If the actual FAS87 NPPC becomes negative, the regulatory liability will be increased by the difference between the level of FAS87 NPPC included in rates for that period and "zero" (i.e., \$0).
 - Since this is considered to be a cash item under the tracking mechanism, the regulatory asset or liability will be included in rate base and amortized over a five (5) year period at the time of the next following rate case.

² Transitional relief applies under the Pension Protection Act if the plan's target liability funded level meets the prescribed phase-in percentages for 2008 through 2011. The Parties recognize that such transitional relief or related requirements may be subject to change or revision in future years.

5. If the FAS87 NPPC becomes negative, the Company will set up a regulatory liability to offset the prepaid pension asset created by the negative amount. This regulatory liability will increase by the amount of any negative NPPC, or decrease by the amount of positive NPPC, in each subsequent year. Positive NPPC in each subsequent year will be used to reduce the regulatory liability before being used to establish a regulatory asset pursuant to Item 4.
 - If NPPC is negative at the time of the next rate case, the amount included in rates will be "zero" (i.e., \$0).
 - If NPPC is positive at the time of the next rate case, the positive expense will not be included in rates and the Company will not be required to make contributions to the trust until any regulatory liability created under this Item 5 has been reduced to "zero" (i.e., \$0).
 - Since this regulatory liability is considered to be a non-cash item under the tracking mechanism, it is not subjected to amortization and should not be recognized in determining rate base in future years.
6. The objective of this tracking mechanism is that, over time, the Company will recover through rates FAS87-based NPPC, including the amortization of unrecognized amounts as set forth above.
 - The Company will establish a separate regulatory asset/liability account to offset any charge, or credit, that would otherwise be recorded against equity (e.g., decreases to other comprehensive income) caused by applying the provisions of FAS87, FAS158 or any other FASB statement or procedure that requires accounting adjustments due to the funded status or other attributes of the Company's pension plan.
 - This regulatory asset/liability will not be amortized into rates or included in rate base, because any such charges are expected to be recovered in rates through the valuation of FAS87 NPPC in future accounting periods, which will be subject to the true-up process described herein. In other words, this regulatory asset/liability will automatically be reversed through the mechanics of FAS87 and, pursuant to other provisions of this proposal, all FAS87-determined NPPC will over time ultimately be recovered from ratepayers.
 - The regulatory asset/liability will increase or decrease each year by the same amount that the equity charge increases or decreases.

7. Recognizing that rate cases do not typically occur on a five-year cycle, the Company will continue to record any amortizations allowed herein throughout the effective term that the approved rates remain in effect, regardless of whether the term is longer or shorter than ten years.
 - The amortization established at the adoption of the tracking mechanism shall continue over a ten year period. This amortization will not change over the ten year period and will be included in costs in any rate case in the ten year period. Any unamortized balance shall be included in rate base in any rate case in the ten year period.
 - The Company will be required to establish a separate regulatory asset or liability to accumulate any excess negative amortization or positive amortization (separate from the initial pension asset discussed in the preceding bullet), which shall be included in rate base and amortized over a five year period in the next following rate case.
8. Any prepaid pension asset or accrued liability recorded pursuant to the terms and conditions of FAS87 (as opposed to regulatory assets arising from the provisions of this proposed tracking mechanism) will not be included in Rate Base in any future rate case, except for the unamortized portion of the \$50.5 million of cumulative net ratepayer benefits previously identified. The regulatory assets/liabilities discussed herein specifically identify all rate base includable amounts for pension differences.

Comments & Clarifications
Proposed Pension Tracking Mechanism

1. The proposed tracking mechanism refers to "NPPC" in explaining how the mechanism operates, which is intended to represent actuarially determined total FAS87 net periodic costs.
2. "NPPC" intentionally encompasses total actuarially determined amounts without regard to any expense allocation or capitalization accounting the Company may recognize on its books and records.
3. Unless limited by IRC maximum contributions or ERISA minimum contributions, the proposed tracking mechanism requires the Company to make annual fund contributions in an amount equal to the total FAS87 net periodic costs determined for each calendar year.
4. The proposed tracking mechanism requires the Company to establish a regulatory asset or liability for the difference between the total FAS87 net periodic costs determined for a given year and the amount of such costs included in then-existing utility rates.
5. The provisions of FAS87 may require a Company to record a prepaid pension asset in the normal course of business, without regard to any regulatory agreements or orders adopting a tracking mechanism:
 - a. The proposed tracking mechanism would exclude from rate base for ratemaking purposes any future prepaid pension asset resulting from an actuarial study that resulted in "negative" net periodic costs.
 - b. The proposed tracking mechanism would exclude, or not recognize, any "negative" net periodic costs for ratemaking purposes, instead setting the amount equal to "zero" (i.e., \$0).
6. If the utility is allocated a portion of the FAS87 net periodic costs from an affiliated entity in the normal course of business and the tracking mechanism is approved by the Commission, the Company would be required to commit to funding 100% of the FAS87 net periodic costs for both HECO and the affiliate or to maintain segregated pension trust fund accounting for each entity in order to avoid any funding conflicts or issues that might arise in the future.
7. Any commitment by HECO to fund 100% of its FAS87 net periodic costs (as limited under item 3) will not be contingent on implementing a substantially similar tracking mechanism for each HECO affiliate.

8. When an order is issued by the Commission which: 1) adopts the tracking mechanism and 2) establishes new rates that explicitly incorporate the provisions of the mechanism in the new rates, HECO will fund the NPPC for the calendar year of the date of the order based on a monthly proration of the annual NPPC.

PROPOSED OPEB TRACKING MECHANISM

Purpose: The proposed OPEB tracking mechanism is designed to achieve the following objectives:

- A. Ensure that the OPEB costs recovered through rates are based on the FAS106 NPBC, as reported for financial reporting purposes;
- B. Ensure that all amounts contributed to the OPEB trust funds (subject to the exception in Item 3 below) are in an amount equal to actual NPBC and are recoverable through rates; and
- C. Clarify the future treatment of any charges that would otherwise be recorded to equity (e.g., increases/decreases to other comprehensive income) as required by FAS106, FAS 158 or any other FASB statement or procedure relative to the recognition of OPEB costs and/or liabilities.

Procedure:

1. The amount of FAS106 NPBC included in rates shall be equal to the amount recognized for financial reporting purposes.
2. Except when limited by material, adverse consequences imposed by federal regulations, the annual contribution to the OPEB trust funds will be equal to the amount of FAS106 NPBC. The utility will use tax advantaged funding vehicles, whenever possible, as specified in D&O 13659, dated November 29, 1994, in Docket Nos. 7243 and 7233 (Consolidated).
3. The utility will be allowed to recover through rates the amount of any contributions to the OPEB trusts in excess of the FAS106 NPBC that were made for the following reason¹:

- the increased contribution was made to avoid a charge to other comprehensive income.

Any such "excess" contributions shall be recorded in a separate regulatory asset account, which will be included in rate base.

4. A regulatory asset (or liability) will be established on the Company's books to track the difference between the level of actual FAS106 NPBC during the rate effective period and the level of FAS106 NPBC included in rates during that same period.

¹ The Company or the Consumer Advocate (jointly, the "Parties") may initiate discussions with the Parties and the Hawaii Public Utilities Commission to modify these provisions between rate cases (with Commission approval) if there are future changes in accounting standards, federal tax law or federal tax regulations that materially impact the costs otherwise recoverable through this tracking mechanism.

- If the actual FAS106-determined NPBC recorded during a given rate-effective period is greater than the FAS106 NPBC included in rates during the immediately preceding rate case, the Company will establish a separate regulatory asset account to accumulate such difference, but only to the extent that such amount is not used to reduce a regulatory liability recorded pursuant to Item 5.
 - If the actual FAS106-determined NPBC recorded during the rate-effective period, adjusted for any amount of such expense used to reduce a regulatory liability maintained pursuant to Item 5, is less than the expense built into rates, the Company will establish a separate regulatory liability account to accumulate such difference.
 - If the actual FAS106 NPBC becomes negative, the regulatory liability will be increased by the difference between the level of FAS106 NPBC included in rates for that period and "zero" (i.e., \$0).
 - Since this is considered to be a cash item under the tracking mechanism, the regulatory asset or liability will be included in rate base and amortized over a five (5) year period at the time of the next following rate case.
5. If the FAS106 NPBC becomes negative, the Company will set up a regulatory liability to offset the OPEB asset created by the negative amount. This regulatory liability will increase by the amount of any negative NPBC, or decrease by the amount of positive NPBC, in each subsequent year. Positive NPBC in each subsequent year will be used to reduce the regulatory liability before being used to establish a regulatory asset pursuant to Item 4.
- If NPBC is negative at the time of the next rate case, the amount included in rates will be "zero" (i.e., \$0).
 - If NPBC is positive at the time of the next rate case, the positive expense will not be included in rates and the Company will not be required to make contributions to the trust until any regulatory liability created under this Item 5 has been reduced to "zero" (i.e., \$0).
 - Since this regulatory liability is considered to be a non-cash item under the tracking mechanism, it is not subjected to amortization and should not be recognized in determining rate base in future years.
6. The objective of this tracking mechanism is that, over time, the Company will recover through rates FAS106-based NPBC, including the amortization of unrecognized amounts as set forth above.

- The Company will establish a separate regulatory asset/liability account to offset any charge, or credit, that would otherwise be recorded against equity (e.g., increases/decreases to other comprehensive income) caused by applying the provisions of FAS106, FAS158 or any other FASB statement or procedure that requires accounting adjustments due to the funded status or other attributes of the Company's OPEB plans.
 - This regulatory asset/liability will not be amortized into rates or included in rate base, because any such charges are expected to be recovered in rates through the valuation of FAS106 NPBC in future accounting periods, which will be subject to the true-up process described herein. In other words, this regulatory asset/liability will automatically be reversed through the mechanics of FAS106 and, pursuant to other provisions of this proposal, all FAS106-determined NPBC will over time ultimately be recovered from ratepayers.
 - The regulatory asset/liability will increase or decrease each year by the same amount that the equity charge increases or decreases.
7. Recognizing that rate cases do not typically occur on a five-year cycle, the Company will continue to record any amortizations allowed herein throughout the effective term that the approved rates remain in effect, regardless whether the term is longer or shorter than five years.
- If the rate effective period is less than five years, the Company will be allowed to recover any unamortized and unrecovered amounts in the next following rate case over a five year period and any unamortized balance shall be included in rate base.
 - If the rate effective period is greater than five years, the Company will be required to establish a separate regulatory asset or liability to accumulate any excess amortization, which shall be included in rate base and amortized over a five year period in the next following rate case.
8. Any OPEB asset or accrued liability recorded pursuant to the terms and conditions of FAS106 (as opposed to regulatory assets arising from the provisions of this proposed tracking mechanism) will not be included in Rate Base in any future rate case. The regulatory assets/liabilities discussed herein specifically identify all rate base includable amounts for OPEB differences.

**Comments & Clarifications
Regarding the Proposed OPEB Tracking Mechanism**

1. The proposed tracking mechanism refers to "NPBC" in explaining how the mechanism operates, which is intended to represent actuarially determined total FAS106 net periodic costs.
2. "NPBC" intentionally encompasses total actuarially determined amounts without regard to any expense allocation or capitalization accounting the Company may recognize on its books and records.
3. Unless limited by adverse consequences under federal regulations, the proposed tracking mechanism requires the Company to make annual fund contributions in an amount equal to the total FAS106 net periodic costs determined for each calendar year.
4. The proposed tracking mechanism requires the Company to establish a regulatory asset or liability for the difference between the total FAS106 net periodic costs determined for a given year and the amount of such costs included in then-existing utility rates.
5. The provisions of FAS106 may require a company to record an OPEB asset in the normal course of business, without regard to any regulatory agreements or orders adopting a tracking mechanism:
 - a. The proposed tracking mechanism would exclude from rate base for ratemaking purposes any future OPEB asset resulting from an actuarial study that resulted in "negative" net periodic costs.
 - b. The proposed tracking mechanism would exclude, or not recognize, any "negative" net periodic costs for ratemaking purposes, instead setting the amount equal to "zero" (i.e., \$0).
6. If the utility is allocated a portion of the FAS106 net periodic costs from an affiliated entity in the normal course of business and the tracking mechanism is approved by the Commission, the Company would be required to commit to funding 100% of the FAS106 net periodic costs for both HECO and the affiliate or to maintain segregated OPEB trust fund accounting for each entity in order to avoid any funding conflicts or issues that might arise in the future.
7. Any commitment by HECO to fund 100% of its FAS106 net periodic costs (as limited under item 3) will not be contingent on implementing a substantially similar tracking mechanism for each HECO affiliate.

Hawaiian Electric Company, Inc.
Pension Regulatory Asset and Pension Liability Balances
(\$ thousands)

	actual 12/31/2006	12/31/2007	
Projected Benefit Obligation	\$ 637,455	\$ 672,113	[A]
Fair Value of Plan Assets	574,235	557,435	[B]
Overfunded (Underfunded)	(63,220)	(114,678)	[C] = [B] - [A]
Less: Prepaid Asset	68,260	50,549	[D]
AOCI Charge (pre-tax)	<u>\$ (131,480)</u>	<u>\$ (165,227)</u>	[E] = [C] - [D]
 Pension Regulatory Asset	 \$ 131,480	 \$ 165,227	[E]
Pension Liability	63,220	114,678	[C]
Net Rate Base (excluding deferred tax impact)	<u>\$ 68,260</u>	<u>\$ 50,549</u>	[D] = [E] - [C]

Sources:

[A] & [B] Estimates per Watson Wyatt

[D] See HECO-1021 p. 2 of 2

Hawaiian Electric Company, Inc.
Prepaid Pension Asset Balances
1987-2007

(\$ in thousands)

Year	Contributions to Trust	NPPC Accrual	Ending Pension Asset Balance
	A	B	C= Prior C+A-B
1986			\$ 480
1987	\$ 8,736	\$ 9,216	-
1988	8,308	8,308	-
1989	9,007	9,007	-
1990	9,740	9,740	-
1991	10,618	10,618	-
1992	11,382	11,382	-
1993	10,940	10,940	-
1994	10,925	10,925	-
1995	9,058	6,408	2,650
1996	6,972	8,381	1,241
1997	5,876	7,117	-
1998	2,206	1,871	335
1999	0	(1,074)	1,409
2000	0	(19,322)	20,731
2001	0	(20,465)	41,196
2002	0	(15,656)	56,852
2003	13,394	5,894	64,352
2004	15,186	(1,547)	81,085
2005	6,000	4,588	82,497
2006	0	14,237	68,260
2007 *	0	17,711	50,549
Total	<u>\$ 138,348</u>	<u>\$ 88,279</u>	

Amortization of Pension Asset:

Balance at December 31, 2007	\$ 50,549
Amortization period = 10 years	divided by 10
Amortization for test year	<u>\$ 5,055</u>

Recorded balances for 1987-2006.

- * Revised NPPC accrual amount for 2007. 2006 and 2007 "prepaid pension balances" are for illustrative purposes only. Illustration assumes HECO was not required to record a pension liability in these years.

Hawaiian Electric Company, Inc.
SFAS 106 and SFAS 158 OPEB Regulatory Asset Balances
OPEB Liability Balances
\$ thousands

	actual 12/31/2006	12/31/2007	
Accumulated Postretirement Benefit Obligation	\$ 124,294	\$ 133,755	[A]
Fair Value of Plan Assets	92,844	96,773	[B]
Overfunded (Underfunded)	(31,450)	(36,982)	[C] = [B] - [A]
Less: OPEB Liability (SFAS 106)	(7,811)	(6,509)	[D]
AOCI Charge (pre-tax)	<u>\$ (23,639)</u>	<u>\$ (30,473)</u>	[E] = [C] - [D]
 SFAS 106 OPEB Regulatory Asset	 \$ 7,811	 \$ 6,509	[F]
SFAS 158 OPEB Regulatory Asset	23,639	30,473	[E]
OPEB Liability	31,450	36,982	[C]
Net Rate Base	<u>-</u>	<u>-</u>	[D] = [F] + [E] - [C]

Sources:

[A] & [B] Estimates per Watson Wyatt
[D] See Updated HECO-1022 p. 3 of 3
[F] See Updated HECO-1022 p. 2 of 3

Hawaiian Electric Company, Inc.
SFAS 106 OPEB Regulatory Asset
1994-2007
(\$ in thousands)

		Ending FAS 106
Year	Amortization & Adjustment	Reg Asset Balance
	A	B Prior Year B - A
1994		\$ 24,882
1995	\$ 2,751	22,131
1996	1,302	20,829
1997	1,302	19,528
1998	1,302	18,226
1999	1,302	16,924
2000	1,302	15,622
2001	1,302	14,320
2002	1,302	13,018
2003	1,302	11,717
2004	1,302	10,415
2005	1,302	9,113
2006	1,302	7,811
2007	1,302	6,509
Total	\$ 18,373	

Source: Recorded balances for 1994-2006.

Hawaiian Electric Company, Inc.
OPEB Liability Balances
1994-2007
(\$ in thousands)

Year	NPBC Accrual	less: Payments & Electric Discount to Retirees ²	less: Contributions to Trusts	add: Trust Reimbursement ²	less: Executive Life Adj	Timing & Reconciling Differences	Ending OPEB Liability Balance for Rate-making G=Prior G+ A-B-C+D-E+F
	A	B	C	D	E	F	
1994							\$ 21,286
1995	\$ 15,725	\$ 3,227	\$ 14,270	\$ -	\$ 609		18,904
1996	14,936	3,858	15,580	7,059	657	26	20,829
1997	14,393	3,257	15,024	3,009	671	248	19,528
1998	9,285	3,280	10,046	2,995	540	284	18,226
1999	3,574	3,398	4,357	3,936	519	(538)	16,924
2000	1,761	4,106	2,605	4,103	458	3	15,622
2001	2,107	1,633	2,857	1,635	551	(2)	14,320
2002	4,263	3	4,927		637	3	13,018
2003	6,906	1	7,364		844	1	11,717
2004	6,233	4	6,680		855	4	10,415
2005	7,034		7,435		900	0	9,113
2006	6,620		7,060		862	0	7,811
2007	6,291		6,758		835	0	6,509

NPBC for Rate-making Purposes:

	A		E		Reg Asset Amort HECO-1022 p. 2 of 3	
2006	\$ 6,620	-	\$ 862	=	\$ 5,758	+ \$ 1,302 = \$ 7,060
2007	\$ 6,291	-	\$ 835	=	\$ 5,456	+ \$ 1,302 = \$ 6,758

Recorded balances for 1994-2006.

¹ Estimated balances for 2006 and 2007 per Watson Wyatt. 2006 and 2007 "OPEB liability balances" are for illustrative purposes only. Illustration assumes HECO was not required to record an OPEB liability in these years.

² From 1995-2001, HECO made payments to retirees and was reimbursed by the trust. Beginning in 2002, trust reimbursements for electric discount to retirees are shown net in col. C.